



# SPECIALTY REAGENTS

Rely on high purity products from an experienced manufacturer.

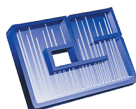


## QUALITY PRODUCTS DELIVERED IN DAYS

Derivatizing Reagents

Ion Pairing & Buffers

Diagnostic & Imaging



**CHROMATOGRAPHIC  
SPECIALTIES INC.**

[www.chromspec.com](http://www.chromspec.com)

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# REAGENTS

## GC DERIVATIZATION

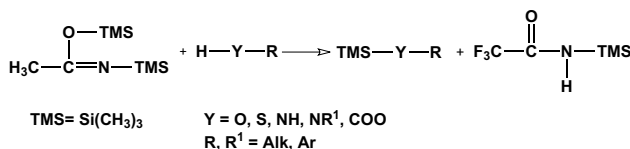
For more than 50 years, Regis has been a leader in the manufacture of highly pure derivatization reagents for gas chromatography. For the analytical chemist, derivatization can be the key to unlocking and simplifying many complex separation problems. We offer a full range of silylation, acylation, and alkylation reagents.



### BSTFA-REGISIL® *N,O-Bis(trimethylsilyl)trifluoroacetamide*

- Reacts faster and more completely than BSA due to presence of trifluoroacetyl group
- The high volatility of BSTFA results in separation of early eluting peaks
- Highly volatile and stable products result in low detector noise and fouling
- Excellent solubility

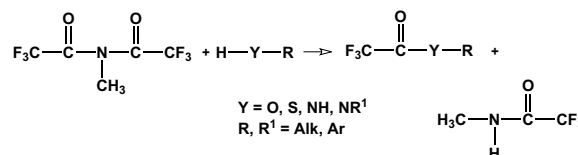
| SIZE      | CATALOG #    |
|-----------|--------------|
| 10 x 1 gm | 1-270111-200 |
| 10 gm     | 1-270118-200 |
| 4 x 5 gm  | 1-270112-200 |
| 25 gm     | 1-270113-200 |
| 100 gm    | 1-270114-200 |
| 1000 gm   | 1-270116-200 |



### MBTFA *N-Methyl-N-bis(trifluoroacetamide)*

- Reacts rapidly under mild conditions with primary and secondary amines
- Reacts more slowly with alcohols, phenols, and thiols
- Enables the analysis of sugars

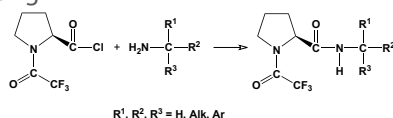
| SIZE      | CATALOG #    |
|-----------|--------------|
| 10 x 1 gm | 1-270092-200 |
| 5 gm      | 1-270091-200 |
| 25 gm     | 1-270095-200 |
| 100 gm    | 1-270093-200 |



### TPC *N-Trifluoroacetyl-L-Prolyl Chloride*

- Couples with amines to form diastereomers which can be separated on GC columns
- Provides sample volatility
- Used for confirmation of drugs of abuse testing

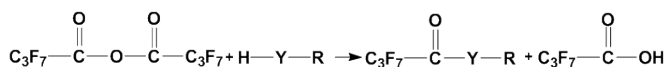
| SIZE  | CATALOG #    |
|-------|--------------|
| 25 ml | 1-440001-200 |
| 5 ml  | 1-440002-200 |



### HFBA *Heptafluorobutyric Anhydride*

- Most commonly used for ECD
- Reacts with alcohols, amines, and phenols
- Bases, such as triethylamine and trimethylamine, can be added to promote reactivity
- Frequently used for the confirmation of drugs of abuse

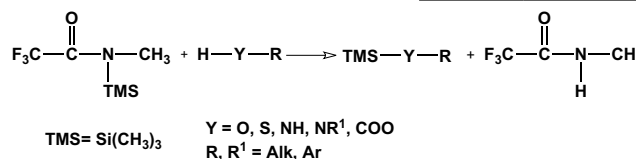
| SIZE      | CATALOG #    |
|-----------|--------------|
| 10 x 1 gm | 1-270851-200 |
| 25 gm     | 1-270853-200 |



### MSTFA *N-Methyltrimethylsilyltrifluoroacetamide*

- Most volatile of the TMS-acetamides
- Useful in the analysis of volatile trace materials

| SIZE      | CATALOG #    |
|-----------|--------------|
| 10 x 1 gm | 1-270590-200 |
| 10 gm     | 1-270589-200 |
| 25 gm     | 1-270593-200 |
| 100 gm    | 1-270594-200 |



For more information, visit  
[registech.com/reagents](http://registech.com/reagents).



### 3.0N HCl in n-BUTANOL 3N Hydrochloric Acid in Butan-1-ol

- Used for neonatal screening measuring amino acids and acylcarnitines by Tandem Mass Spectrometry
- Ensures butylation of the carboxyl acid group of the analyte and formation of butyl ester, which forces ionization or makes charging of the analyte more efficient
- Butylesterification is superior with regard to sensitivity and specificity compared to non-derivatization procedure
- Manufactured under cGMP protocols to assure highest quality and lot-to-lot consistency

| SIZE      | CATALOG #    |
|-----------|--------------|
| 4 x 25 ml | 1-201007-200 |
| 100 ml    | 1-201009-200 |
| 500 ml    | 1-201010-200 |

## ION PAIRING

Regis manufactures ultrapure anionic Sulfonate (S-Series) and cationic Quaternary Amine (Q-Series) ion pair concentrates. We also offer individual sulfonates packaged in powder form in a variety of sizes.

| PRODUCT                       | SIZE  | CATALOG #    |
|-------------------------------|---|--------------|
| Ion Pair Concentrate Q-Series | Method Development Kit (Q5, Q6, Q7, Q8, Q12 10 ml each) | 1-404020-200 |
| Ion Pair Concentrate S-Series | Method Development Kit (S5, S6, S7, S8, 10 ml each)     | 1-405020-200 |
| 1-Pentanesulfonate            | 25 g  | 1-403025-200 |
| 1-Hexanesulfonate             | 25 g  | 1-403026-200 |
| 1-Heptanesulfonate            | 25 g  | 1-403027-200 |
| 1-Octanesulfonate             | 25 g  | 1-403028-200 |

## DIAGNOSTIC & IMAGING

### LUCIFERIN

Regis Technologies manufactures D-Luciferin for use in research applications ranging from reporter gene assays to whole animal assays. We produce high purity Luciferin to ensure the highest signal, lowest background, highest reproducibility, and lowest sensitivity levels for your application.

### COELENTERAZINE

When coelenterazine combines with luciferase, oxygen, and calcium ions, it produces oxy-coelenterazine and light. This allows coelenterazine to be used as a detection reagent for luciferase, oxygen, or calcium. Unlike fluorescence, the detection of bioluminescence in diagnostic tests can be performed in the dark thereby eliminating background noise.

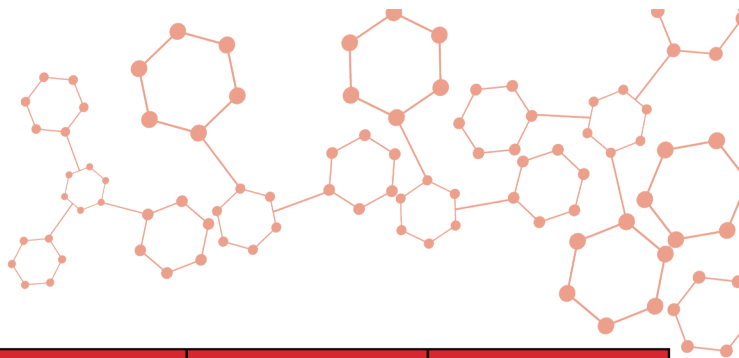
| PRODUCT                    | SIZE   | CATALOG #    |
|----------------------------|--------|--------------|
| D-Luciferin Potassium Salt | 100 mg | 1-360221-200 |
|                            | 1 g    | 1-360222-200 |
|                            | 10 g   | 1-360224-200 |
| Coelenterazine-H           | 1 mg   | 1-361301-200 |
|                            | 100 mg | 1-361304-200 |
| 4-Chloro-1-Naphthol        | 25 g   | 1-511640-200 |
|                            | 1 kg   | 1-511644-200 |

Inquire about custom sizes and packaging.



# REAGENTS

Quality Products Delivered in Days



| GAS CHROMATOGRAPHY DERIVATIZATION    |                 |                           | ION PAIRING                                  | DIAGNOSTIC & IMAGING                |
|--------------------------------------|-----------------|---------------------------|--|-------------------------------------|
| ALKYLATION                           | ACYLATION       | SILYLATION                |  |                                     |
| 3.0 N HCl in n-Butanol               | (R)-(-)-MTPA-Cl | BSA                       | TBAP   | D-Luciferin Potassium Salt          |
| BF <sub>3</sub> in Methanol          | HFBA            | BSTFA-Regisil®            | Q-Series Ion Pair Concentrates (for Anions)  | D-Luciferin Sodium Salt             |
|                                      | HFBI            | BSTFA + 1% TMCS-Regisil®  | S-Series Ion Pair Concentrates (for Cations) | D-Luciferin Free Acid               |
| <b>DERIVATIZATION GRADE SOLVENTS</b> | HFIP            | BSTFA + 10% TMCS-Regisil® | 1-Heptanesulfonate                           | Firefly Dehydroluciferin            |
| Acetonitrile                         | MBTFA           | Deriva-Sil                | 1-Hexanesulfonate                            | Coelenterazine-H                    |
| Pyridine                             | MCF             | Deriva-Sil Concentrate    | 1-Octanesulfonate                            | Coelenterazine, Native              |
|                                      | PFPFA           | HMDs                      | 1-Pentanesulfonate                           | Coelenterazine, Native, Lyophilized |
|                                      | TFAA            | Hydrox-Sil                |  | 4-Chloro-1-Naphthol                 |
|                                      | TPC             | Hydrox-Sil Concentrate    |  | GGPNA                               |
|                                      |                 | MSTFA                     |  |                                     |
|                                      |                 | MSTFA + 1% TMCS           |  |                                     |
|                                      |                 | MtBSTFA                   |  |                                     |
|                                      |                 | MtBSTFA + 1% t-BDMCS      |  |                                     |
|                                      |                 | TMCS                      |  |                                     |
|                                      |                 | TMSI                      |  |                                     |

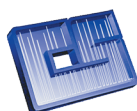
Bulk quantities available for many products.



## ABOUT REGIS TECHNOLOGIES, INC.

Regis Technologies, Inc. is a privately held company that provides synthesis and separations services to the pharmaceutical, biotechnology and other related industries. Regis provides innovative chromatography products and services, especially those with a chiral emphasis, through the utilization of our extensive organic expertise and collegiate collaborations. For more information, please visit [www.registech.com](http://www.registech.com).

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