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## Typical Product Specifications & Properties

# Fluorescamine

CAS Number: : 38183-12-9

| Specifications               | Limits                                                                                |
|------------------------------|---------------------------------------------------------------------------------------|
| Molecular weight             | 278.26                                                                                |
| EINECS                       | 253-814-5                                                                             |
| SMILES                       | <chem>c12[C@@]3(C(C(c4ccccc4)=CO3)=O)OC(=O)c1cccc2</chem>                             |
| InChI                        | 1S/C17H10O4/c18-15-13(11-6-2-1-3-7-11)10-20-17(15)14-9-5-4-8-12(14)16(19)21-17/h1-10H |
| InChIKey                     | ZFKJVJIDPQDDFY-UHFFFAOYSA-N                                                           |
| Melting Point                | 154.5 &deg; C                                                                         |
| log P (octanol-water)        | 2.900                                                                                 |
| Atmospheric OH Rate Constant | 1.07E-10 cm <sup>3</sup> /molecule-sec                                                |
| Solubility                   | acetonitrile: soluble                                                                 |
| Form                         | powder                                                                                |
| Merck                        | 14,4158                                                                               |
| Melting Point                | 153-157 &deg;C                                                                        |





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| Specifications      | Limits                                                                                                  |
|---------------------|---------------------------------------------------------------------------------------------------------|
| Flash Point         | -17 &deg;C                                                                                              |
| Storage Temperature | 2-8&deg;C                                                                                               |
| Color               | off-white to yellow                                                                                     |
| Stability           | Stable. Incompatible with strong oxidizing agents.                                                      |
| Water solubility    | Soluble in acetone, ethanol, chloroform, dimethylsulfoxide and acetonitrile. Slightly soluble in water. |



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415 Huguenot Street, New Rochelle, New York 10801

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