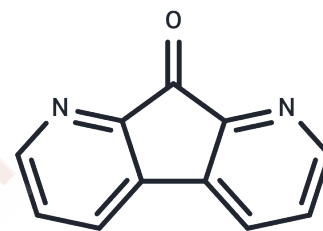


1,8-Diazafluoren-9-one

Chemical Properties

CAS No. :	54078-29-4
Formula:	C ₁₁ H ₆ N ₂ O
Molecular Weight:	182.18
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1,8-Diazafluoren-9-one (DFO) is utilized for detecting fingerprints on porous surfaces.
Targets(IC50)	Others
In vitro	1,8-diazafluoren-9-one (DFO) is used in the forensic field to enhance latent fingerprints deposited on porous surfaces due to the formation of fluorescent products by reacting with the amino acids present in the papillary exudate. DFO has been the most used because of its excellent enhancing properties.

Solubility Information

Solubility	DMSO: 33.3 mg/mL (182.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4891 mL	27.4454 mL	54.8908 mL
5 mM	1.0978 mL	5.4891 mL	10.9782 mL
10 mM	0.5489 mL	2.7445 mL	5.4891 mL
50 mM	0.1098 mL	0.5489 mL	1.0978 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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