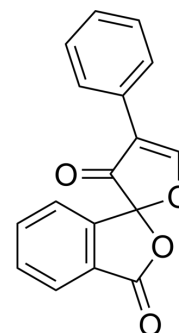


Fluorescamine

Cat. No.:	HY-D0715
CAS No.:	38183-12-9
Molecular Formula:	C ₁₇ H ₁₀ O ₄
Molecular Weight:	278.26
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 33 mg/mL (118.59 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.5938 mL	17.9688 mL	35.9376 mL
	5 mM	0.7188 mL	3.5938 mL	7.1875 mL
	10 mM	0.3594 mL	1.7969 mL	3.5938 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fluorescamine (Ro 20-7234) is a spiro compound that is not fluorescent itself, but reacts with primary amines to form highly fluorescent products. It hence has been used as a reagent for the detection of amines and peptides.

Caution: Product has not been fully validated for medical applications. For research use only.

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