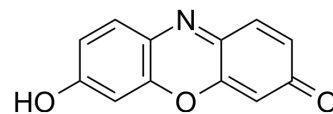


Resorufin

Cat. No.:	HY-123533
CAS No.:	635-78-9
Molecular Formula:	C ₁₂ H ₇ NO ₃
Molecular Weight:	213.19
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

0.5 M NaOH : 5 mg/mL (23.45 mM; ultrasonic and warming and adjust pH to 12 with NaOH and heat to 60°C)
 Ethanol : < 1 mg/mL (ultrasonic) (insoluble)
 H₂O : < 0.1 mg/mL (ultrasonic) (insoluble)
 DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		4.6907 mL	23.4533 mL	46.9065 mL
	5 mM		0.9381 mL	4.6907 mL	9.3813 mL
	10 mM		0.4691 mL	2.3453 mL	4.6907 mL

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

BIOLOGICAL ACTIVITY

Description

Resorufin (NSC 12097) is a highly fluorescent pink dye for the detection of ROS/RNS and a second analyte^[1].

REFERENCES

[1]. Odyniec ML, et al. 'AND'-based fluorescence scaffold for the detection of ROS/RNS and a second analyte. Chem Commun (Camb). 2018 Jul 26;54(61):8466-8469.

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

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