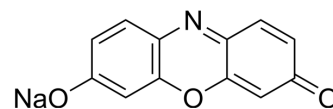


Resorufin sodium salt

Cat. No.:	HY-123533A
CAS No.:	34994-50-8
Molecular Formula:	C ₁₂ H ₆ NNaO ₃
Molecular Weight:	235.17
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 2 years; -20°C, 1 year (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (265.77 mM; Need ultrasonic)																					
	H ₂ O : 7.69 mg/mL (32.70 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>4.2522 mL</td> <td>21.2612 mL</td> <td>42.5224 mL</td> </tr> <tr> <td>5 mM</td> <td>0.8504 mL</td> <td>4.2522 mL</td> <td>8.5045 mL</td> </tr> <tr> <td>10 mM</td> <td>0.4252 mL</td> <td>2.1261 mL</td> <td>4.2522 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	4.2522 mL	21.2612 mL	42.5224 mL	5 mM	0.8504 mL	4.2522 mL	8.5045 mL	10 mM	0.4252 mL	2.1261 mL	4.2522 mL
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Please refer to the solubility information to select the appropriate solvent.																						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (8.84 mM); Clear solution																					

BIOLOGICAL ACTIVITY

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