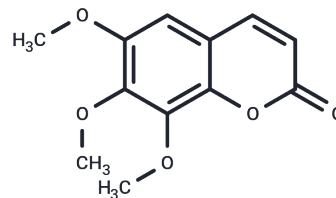


Dimethylfraxetin

Chemical Properties

CAS No. :	6035-49-0
Formula:	C ₁₂ H ₁₂ O ₅
Molecular Weight:	236.22
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dimethylfraxetin (6,7,8-Trimethoxycoumarin) is a Carbonic anhydrase inhibitor(Ki: 0.0097 μ M)
Targets(IC50)	Carbonic Anhydrase

Solubility Information

Solubility	DMSO: 125 mg/mL (529.17 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2333 mL	21.1667 mL	42.3334 mL
5 mM	0.8467 mL	4.2333 mL	8.4667 mL
10 mM	0.4233 mL	2.1167 mL	4.2333 mL
50 mM	0.0847 mL	0.4233 mL	0.8467 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.

Reference

Davis R A , Vullo D , Maresca A , et al. Natural product coumarins that inhibit human carbonic anhydrases[J]. Bioorganic & medicinal chemistry, 2012, 21(6):1539-1543.

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