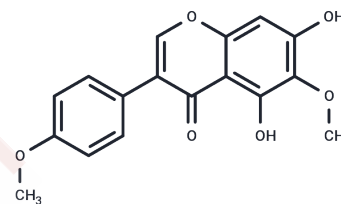


Irisolidone

Chemical Properties

CAS No. :	2345-17-7
Formula:	C17H14O6
Molecular Weight:	314.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Irisolidone is a potent volume-regulated anion channel (VRAC) current inhibitor, it exhibits high efficacy for VRAC blockade with IC50s of 5-13 μ M.
Targets(IC50)	NF- κ B, Chloride channel, IL Receptor
In vivo	Irisolidone may attenuate ethanol-induced gastritis by inhibiting the infiltration of immune cells, particularly neutrophils, through the regulation of CXCL-4 or IL-8 secretion [2].

Solubility Information

Solubility	DMSO: 3.15 mg/mL (10.02 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	3.1818 mL	15.9089 mL	31.8177 mL
5 mM	0.6364 mL	3.1818 mL	6.3635 mL
10 mM	0.3182 mL	1.5909 mL	3.1818 mL
50 mM	0.0636 mL	0.3182 mL	0.6364 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.

Reference

Natural and synthetic flavonoids, novel blockers of the volume-regulated anion channels, inhibit endothelial cell proliferation. *Pflugers Arch.* 2018 Jun 30.

Geum-Dan, Kang, Sang-Yoon, et al. Irisolidone attenuates ethanol-induced gastric injury in mice by inhibiting the infiltration of neutrophils[J]. *Molecular Nutrition & Food Research*, 2016.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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