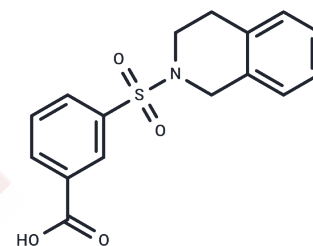


AKR1C3-IN-1

Chemical Properties

CAS No. :	327092-81-9
Formula:	C ₁₆ H ₁₅ N ₂ O ₄ S
Molecular Weight:	317.36
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	AKR1C3-IN-1 is a potent and selective inhibitor of AKR1C3 (IC ₅₀ of 13 nM).
Targets (IC ₅₀)	Dehydrogenase, NADPH

Solubility Information

Solubility	DMSO: 100 mg/mL (315.1 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (12.6 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.151 mL	15.755 mL	31.510 mL
5 mM	0.6302 mL	3.151 mL	6.302 mL
10 mM	0.3151 mL	1.5755 mL	3.151 mL
50 mM	0.063 mL	0.3151 mL	0.6302 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

Jamieson S M F , Brooke D G , Heinrich D , et al. 3-(3,4-Dihydroisoquinolin-2(1 H)-ylsulfonyl)benzoic Acids: Highly Potent and Selective Inhibitors of the Type 5 17- β -Hydroxysteroid Dehydrogenase AKR1C3[J]. Journal of Medicinal Chemistry, 2012, 55(17):7746-7758.

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