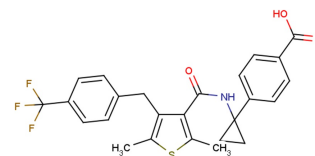


MK-2894

Chemical Properties

CAS No.: 1006036-87-8
Formula: C₂₅H₂₂F₃NO₃S
Molecular Weight: 473.51
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	MK-2894 is a highly potent and selective antagonist of second generation EP4 .
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 50 mg/mL (105.59 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.112 mL	10.559 mL	21.119 mL
5 mM	0.422 mL	2.112 mL	4.224 mL
10 mM	0.211 mL	1.056 mL	2.112 mL
50 mM	0.042 mL	0.211 mL	0.422 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Blouin M, Han Y, Burch J, Farand J, Mellon C, Gaudreault M, Wrona M, Lévesque JF, Denis D, Mathieu MC, Stocco R, Vigneault E, Therien A, Clark P, Rowland S, Xu D, O'Neill G, Ducharme Y, Friesen R. The discovery of 4-{1-[[[2,5-dimethyl-4-[4-(trifluoromethyl)benzyl]-3-thienyl]carbonyl]amino]cyclopropyl}benzoic acid (MK-2894), a potent and selective prostaglandin E2 subtype 4 receptor antagonist. J Med Chem. 2010 Mar 11;53(5):2227-38.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481