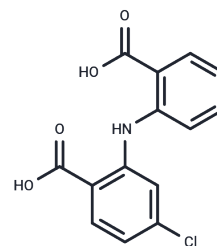


Lobenzarit

Chemical Properties

CAS No. :	63329-53-3
Formula:	C ₁₄ H ₁₀ ClNO ₄
Molecular Weight:	291.69
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	Lobenzarit, an immunomodulator, is most frequently used to treat arthritis. Its chemical scaffold has been repurposed to tryptophan biosynthesis in Mycobacterium tuberculosis
Targets(IC50)	Others, Reactive Oxygen Species

Solubility Information

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

	1mg	5mg	10mg
1 mM	3.4283 mL	17.1415 mL	34.283 mL
5 mM	0.6857 mL	3.4283 mL	6.8566 mL
10 mM	0.3428 mL	1.7141 mL	3.4283 mL
50 mM	0.0686 mL	0.3428 mL	0.6857 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

Evans GL, Gamage SA, Bulloch EM, Baker EN, Denny WA, Lott JS. Repurposing the chemical scaffold of the anti-arthritic drug Lobenzarit to target tryptophan biosynthesis in Mycobacterium tuberculosis. *Chembiochem*. 2014 Apr 14;15(6):852-64. doi: 10.1002/cbic.201300628. Epub 2014 Mar 12. Erratum in: *Chembiochem*. 2015 Mar 23;16(5):706. *Chembiochem*. 2015 Mar 23;16(5):706. PubMed PMID: 24623674.

Evans GL, Gamage SA, Bulloch EM, Baker EN, Denny WA, Lott JS. Corrigendum: Repurposing the Chemical Scaffold of the Anti-Arthritic Drug Lobenzarit to Target Tryptophan Biosynthesis in Mycobacterium tuberculosis. *Chembiochem*. 2015 Mar 23;16(5):706. doi: 10.1002/cbic.201500098. Epub 2015 Mar 11. PubMed PMID: 26177917.

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Sakane N, Yoshida T, Umekawa T, Miyazaki R, Kondo M. Nephrogenic diabetes insipidus induced by lobenzarit disodium treatment in patients with rheumatoid arthritis. *Intern Med*. 1996 Feb;35(2):119-22. Review. PubMed PMID: 8680099.

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