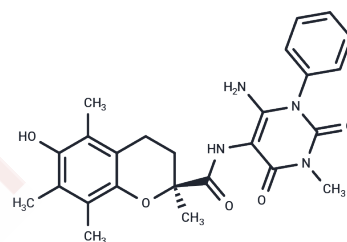


CX-659S

Chemical Properties

CAS No. : 204980-81-4
 Formula: C₂₅H₂₈N₄O₅
 Molecular Weight: 464.51
 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	CX-659S is a novel diaminuracil derivative that indirectly inhibits Langerhans cell function by blocking the MEK1/2 -- ERK1/2 pathway in keratinocytes. CX-659S can inhibit the contact hypersensitivity induced by haptens in mice.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1528 mL	10.764 mL	21.5281 mL
5 mM	0.4306 mL	2.1528 mL	4.3056 mL
10 mM	0.2153 mL	1.0764 mL	2.1528 mL
50 mM	0.0431 mL	0.2153 mL	0.4306 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

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- Kido M, Takeuchi S, Esaki H, Hayashida S, Furue M. Scratching behavior does not necessarily correlate with epidermal nerve fiber sprouting or inflammatory cell infiltration. *J Dermatol Sci*. 2010 May;58(2):130-5. doi: 10.1016/j.jdermsci.2010.03.007. Epub 2010 Mar 19. PubMed PMID: 20399618.
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- Isobe Y, Tobe M, Inoue Y, Isobe M, Tsuchiya M, Hayashi H. Structure and activity relationships of novel uracil derivatives as topical anti-inflammatory agents. *Bioorg Med Chem*. 2003 Nov 17;11(23):4933-40. PubMed PMID: 14604654.

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