

BCI-137

Chemical Properties

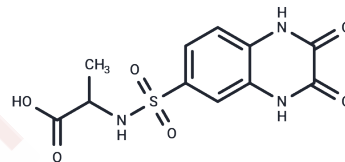
CAS No. : 112170-24-8

Formula: C₁₁H₁₁N₃O₆S

Molecular Weight: 313.29

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	BCI-137 is an Argonaute 2 ligand. It acts by targeting the MicroRNA binding domain.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 140 mg/mL (446.87 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: 2 mg/mL (6.38 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (31.92 mM), Solution. <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	3.1919 mL	15.9597 mL	31.9193 mL
5 mM	0.6384 mL	3.1919 mL	6.3839 mL
10 mM	0.3192 mL	1.596 mL	3.1919 mL
50 mM	0.0638 mL	0.3192 mL	0.6384 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

Hentschel F, Obrova K, Marti M.No evidence for Ago2 translocation from the host erythrocyte into the Plasmodium parasite.[J].Journal of Wellcome Open Res.
. 2020 Nov 20;5:92.

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