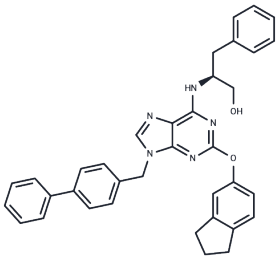
Data Sheet (Cat.No.T4022)

TargetMol

QS11

Chemical Properties



CAS No. : 944328-88-5

Formula: C36H33N5O2

Molecular Weight: 567.68

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	QS11 is a GTPase activating protein of ADP-ribosylation factor 1 (ARFGAP1) inhibitor. Modulates ARF-GTP levels and synergizes with the Wnt/β-catenin signaling pathway to upregulate β-catenin nuclear translocation. Also reduces in vitro migration of metastatic human breast cancer cells.
Targets(IC50)	Others,GTPase,Wnt/beta-catenin

Solubility Information

Solubility	Ethanol: 100 mM,Sonication is recommended. DMSO: 250 mg/mL (440.39 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 (3.52 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7616 mL	8.8078 mL	17.6156 mL
5 mM	0.3523 mL	1.7616 mL	3.5231 mL
10 mM	0.1762 mL	0.8808 mL	1.7616 mL
50 mM	0.0352 mL	0.1762 mL	0.3523 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

Emre N., et al. A chemical approach to stem cell biology. Curr Opin Chem Biol. 2007 Jun;11(3):252-8.
Song S, Guo X, Zhang Z, et al.A universal strategy of facilitating intracellular delivery of nanomedicines based on tuning ARF6 GTPase to its GTP-bound form.Nano Today.2023, 51: 101888.
Zhang Q., et al. Small-molecule synergist of the Wnt/beta-catenin signaling pathway. Proc Natl Acad Sci U S A. 2007 May 1;104(18):7444-8.

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