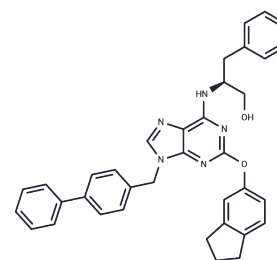


QS11

Chemical Properties

CAS No. : 944328-88-5
 Formula: C₃₆H₃₃N₅O₂
 Molecular Weight: 567.68
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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)	GTPase

Solubility Information

Solubility	Ethanol: 100 mM, Sonication is recommended. DMSO: 55 mg/mL (96.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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/ β -catenin signaling pathway. Proc Natl Acad Sci U S A. 2007 May 1;104(18):7444-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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