

Compound 3344 hydrochloride

Chemical Properties

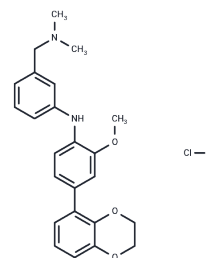
CAS No. :

Formula: C₂₄H₂₇ClN₂O₃

Molecular Weight: 426.94

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	Compound 3344 hydrochloride is an inhibitor of KRAS-effector interactions, with an affinity of 126nM.
Targets(IC50)	Ras, Kras
In vitro	In vitro competition studies of 3344 hydrochloride binding to KRAS-G12V in waterLOGSY NMR show the anti-RAS scFv inhibits 3344 hydrochloride binding to KRAS. In view of the in vitro inhibition by the anti-RAS scFv of 3344 hydrochloride binding to RAS and because the iDAb RAS interferes with BRET signal in cells, 3344 hydrochloride was used for validation of the BRET2 toolbox for RAS-effector PPI inhibitors.

Solubility Information

Solubility	DMSO: 60 mg/mL (140.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3422 mL	11.7112 mL	23.4225 mL
5 mM	0.4684 mL	2.3422 mL	4.6845 mL
10 mM	0.2342 mL	1.1711 mL	2.3422 mL
50 mM	0.0468 mL	0.2342 mL	0.4684 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

Nicolas B , Abimael C M , Carole J B , et al. BRET-based RAS biosensors that show a novel small molecule is an inhibitor of RAS-effector protein-protein interactions[J]. Elife, 2018, 7:e37122-.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481