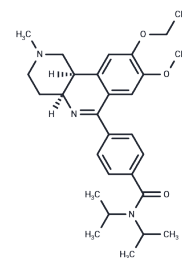


Pumafentrine

Chemical Properties

CAS No. :	207993-12-2
Formula:	C ₂₉ H ₃₉ N ₃ O ₃
Molecular Weight:	477.64
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Pumafentrine(BY 343) is a dual PDE3/PDE4 inhibitor that reduces clinical scores and TNF expression in experimental colitis in mice.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 50 mg/mL (104.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0936 mL	10.4681 mL	20.9363 mL
5 mM	0.4187 mL	2.0936 mL	4.1873 mL
10 mM	0.2094 mL	1.0468 mL	2.0936 mL
50 mM	0.0419 mL	0.2094 mL	0.4187 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

Rieder F, et al. The selective phosphodiesterase 4 inhibitor roflumilast and phosphodiesterase 3/4 inhibitor pumafentrine reduce clinical score and TNF expression in experimental colitis in mice. PLoS One. 2013;8(2): e56867.

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