
Product Data Sheet

Product Name: PA 8
Cat. No.: GC50538

Chemical Properties

Cas. No. 878437-15-1

SMILES COC1=C(C=CC(C2CC(NC3=C2C(N=C(N3)N)=O)=O)=C1)OCC=C

Formula C₁₇H₁₈N₄O₄ M.Wt 342.35

Solubility DMSO : 25 mg/mL (73.02 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

PAC1 receptor antagonist. Inhibits PACAP-induced CREB phosphorylation in PAC1, but not VPAC1 or VPAC2, expressing cells. Also inhibits PACAP-induced increases in cAMP levels in vitro (IC₅₀ = 2 nM) and PACAP-induced aversive responses and mechanical allodynia following intrathecal injection in vivo.

Takasaki et al (2018) In silico screening identified novel small-molecule antagonists of PAC1 receptor. J.Pharmacol.Exp.Ther. 365 1 PMID:29363578

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA