
Product Data Sheet

Product Name: ASP6432
Cat. No.: GC35409

Chemical Properties

Cas. No. 1282549-08-9

SMILES O=C(C1=CSC(CN(C(C2=CC(OC)=C(C)C(OC)=C2)=O)CCCC3=CC=CC=C3)=N1)[N-]S(=O)(NCC)=O.[K+]

Formula $C_{26}H_{31}KN_4O_6S_2$ M.Wt 598.78

Solubility DMSO: 250 mg/mL (417.52 mM) 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

ASP6432 is a potent and selective type 1 lysophosphatidic acid receptor (LPA1) antagonist with IC₅₀s of 11 nM and 30 nM for human LPA1 and rat LPA1, respectively[1]. IC₅₀: 11 nM (human LPA1), 30 nM (rat LPA1)[1]

ASP6432 inhibits the LPA-induced proliferation of human prostate stromal cells[1].

[1]. Sakamoto K, et al. Effect of ASP6432, a Novel Type 1 Lysophosphatidic Acid Receptor Antagonist, on Urethral Function and Prostate Cell Proliferation. J Pharmacol Exp Ther. 2018 Aug;366(2):390-396.

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

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