
Product Data Sheet

Product Name: AMBMP hydrochloride

Cat. No.: GC50323

Chemical Properties

Cas. No. 2095432-75-8

SMILES COC1=CC=CC(C2=NC(N)=NC(NCC3=CC=C4OCOC4=C3)=C2)=C1.Cl

Formula $C_{19}H_{18}N_4O_3.HCl$ M.Wt 386.84

Solubility Soluble in DMSO 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

Wnt canonical signaling activator. Also inhibits tubulin polymerization. Suppresses TLR2/4/5-induced inflammatory response in human monocytes. Inhibits cell proliferation and induces cell cycle arrest in MDA-MB-231 breast cancer cells. Also decreases embryo to blastocyst development.

Liu et al (2005) A small-molecule agonist of the Wnt signaling pathway.

Angew.Chem.Int.Ed.Engl. 44 1987 PMID:15724259 |Wang et al (2016) 2-Amino-4-(3,4-(methylenedioxy)benzylamino)-6-(3-methoxyphenyl)pyrimidine is an anti-inflammatory TLR-2, -4 and -5 response mediator in human monocytes. Inflamm.Res. 65 61

PMID:26613980 |Fukuda et al (2016) Tubulin is a molecular target of the Wnt-activating chemical probe. BMC Biochem. 17 9 PMID:27207629 |Denicol et al (2013) Canonical WNT signaling regulates development of bovine embryos to the blastocyst stage. Sci.Rep. 3 1266 PMID:23405280

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

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