EphA2 agonist 1

Cat. No.: HY-147637

CAS No.: 2611459-57-3

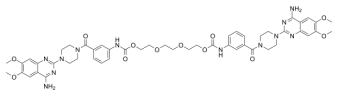
Molecular Formula: $C_{50}H_{58}N_{12}O_{12}$

Molecular Weight: 1019.07

Target: Ephrin Receptor

Pathway: Protein Tyrosine Kinase/RTK

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (49.06 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	0.9813 mL	4.9064 mL	9.8129 mL
5 mM	0.1963 mL	0.9813 mL	1.9626 mL
10 mM	0.0981 mL	0.4906 mL	0.9813 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

EphA2 agonist 1 (Compound 7bg) is a potent EphA2 receptor agonist. EphA2 agonist 1 shows great potency and selectivity toward EphA2 overexpressed glioblastoma cells and stimulates EphA2 phosphorylation[1].

IC_{50} & Target

EphA2[1]

In Vitro

EphA2 agonist 1 (Compound 7bg) inhibits cell proliferation with IC_{50} values of 1.90 ± 0.55 μM and 7.91 ± 2.28 μM against U251 EphA2 overexpressed and U251 wild type cells, respectively[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Orahoske CM, et al. Dimeric small molecule agonists of EphA2 receptor inhibit glioblastoma cell growth. Bioorg Med Chem. 2020 Sep 15;28(18):115656.

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

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