
Product Data Sheet

Product Name: MSI-1701

Cat. No.: GC31513

Chemical Properties

Cas. No. 390808-64-7

SMILES NCCCNCCCCNCCCNC[C@H]1C[C@@](C[C@@H](O)[C@]2([H])[C@]3([H])CC[C@@]4(C)[C@@]2([H])CC[C@@]4([C@H](C)CC[C@@H](OS(=O)(O)=O)C(C)C)[H])([H])[C@]3(C)CC1

Formula C₃₇H₇₂N₄O₅S M.Wt 685.06

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 **Protocol****Animal experiment:**

Experiments are performed using age-matched (4 to 5 weeks old) male mice provided food and water ad lib. Mice corresponding to a single experimental cohort are housed together in a single cage. Animals are used 1 week after arrival. Drug dosing is conducted with 10 mg/kg of each compound (including MSI-1701) via the i.p. route every 3 days for 4 doses, beginning on day 0[1].

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

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References:

[1]. Michael
Zasloff, et al.
Therapeutic
uses for
aminosterol
compounds. US
7410959 B1.

Background

MSI-1701 is an analogue of MSI-1436 which can control weight gain and blood glucose level extracted from patent US 7410959 B1.

Analogues that differ from MSI-1436 at only a single stereocenter, such as MSI-1701 (the polyamine at C-3) or MSI-1777 (the methyl at C-20) exhibit significantly reduced activity, while MSI-1673 (the OH at C-7) is completely inactive[1].

[1]. Michael Zasloff, et al. Therapeutic uses for aminosterol compounds. US 7410959 B1.

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