
Product Data Sheet

Product Name: UP202-56

Cat. No.: GC31995

Chemical Properties

Cas. No. 163838-04-8

SMILES O[C@H]1[C@@H](O[C@H](C(CC2CC2)=O)[C@H]1O)N3C4=C(C(NCCC5=CN(CC6=C(C=CC(C)=C6)C)C7=C5C=C(C)C=C7)=NC=N4)N=C3Formula C₃₄H₃₈N₆O₄ M.Wt 594.7

Solubility Soluble in DMSO Storage Store at -20°C

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

Structure

Background

UP202-56 is an adenosine analogue, which is an adenosinergic agonist.

The effects of oral administration of UP202-56, an adenosine analogue, are assessed on carrageenan-induced spinal c-Fos protein expression and peripheral oedema. Oral UP202-56 (10, 30 or 50 mg/kg) dose-dependently reduces the number of carrageenan-induced c-Fos like immunoreactivity (c-Fos-LI) neurons ($r=0.931$, $P<0.0001$), with the highest dose of UP202-56 producing $72\pm4\%$ reduction of the total number of carrageenan-induced spinal c-Fos-LI neurons, and $12\pm3\%$ and $33\pm6\%$ of reduction of control carrageenan oedema at paw and ankle levels, respectively. UP202-56 dose-dependently reduces the spinal c-Fos protein expression in carrageenan model of inflammatory pain[1]. UP202-56 is an adenosinergic agonist[2].

[1]. Honoré P, et al. UP 202-56, an adenosine analogue, selectively acts via A1 receptors to significantly decrease noxiously-evoked spinal c-Fos protein expression. *Pain*. 1998 Apr;75(2-3):281-93. [2].

Camborde, Francois, et al. PHARMACEUTICAL COMBINATION WITH ANALGESIC ACTIVITY, CONTAINING AN ADENOSINERGIC AGONIST AND A COMPOUND SELECTED FROM OPIATES, BENZODIAZEPINES AND NMDA ANTAGONISTS. Patent Application WO/1999/029347.

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