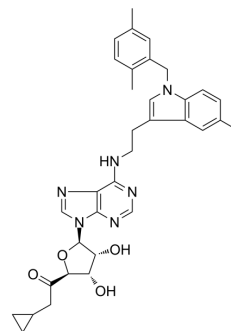


## UP202-56

Cat. No.:	HY-U00226
CAS No.:	163838-04-8
Molecular Formula:	C <sub>34</sub> H <sub>38</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:	594.7
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	UP202-56 is an adenosine analogue, which is an adenosinergic agonist.
IC <sub>50</sub> & Target	Adenosine Receptor <sup>[1][2]</sup>
In Vitro	<p>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 (<math>r=0.931</math>, <math>P&lt;0.0001</math>), with the highest dose of UP202-56 producing 72±4% reduction of the total number of carrageenan-induced spinal c-Fos-LI neurons, and 12±3% and 33±6% 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<sup>[1]</sup>. UP202-56 is an adenosinergic agonist<sup>[2]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

- [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.**

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