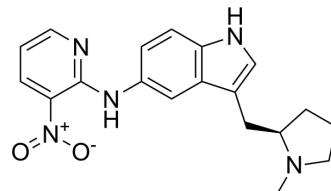


## CP-135807

Cat. No.:	HY-103092
CAS No.:	151272-90-1
Molecular Formula:	C <sub>19</sub> H <sub>21</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	351.4
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	CP-135807 is an orally active and selective 5-HT <sub>1D</sub> agonist (IC <sub>50</sub> =3.1 nM, bovine). CP-135807 mediates central psychoactivity and can be used in antidepressant research <sup>[1][2]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	5-HT <sub>1D</sub> Receptor 3.1 nM (IC <sub>50</sub> , rat)	5-HT <sub>1D</sub> Receptor 33 nM (IC <sub>50</sub> , bovine)
<b>In Vivo</b>	Pigeons were trained to peck a key under a multiple fixed-ratio 25 fixed-ratio 175 schedule of food presentation. CP-135807 (0.1 mg/kg; i.m.; single dose) fully and dose-dependently substitutes for the training dose in adult male Carneau pigeons <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

- [1]. Mansbach RS, et al. CP-135,807, a selective 5-HT<sub>1D</sub> agonist: effects in drug discrimination and punishment procedures in the pigeon. *Psychopharmacology (Berl)*. 1996 Dec;128(3):313-9.
- [2]. Macor J E, et al. Use of 2, 5-Dimethylpyrrole as an Amino-Protecting Group in an Efficient Synthesis of 5-Amino-3-[(N-methyl-pyrrolidin-2 (R)-yl) methyl] indole[J]. *The Journal of Organic Chemistry*, 1994, 59(24): 7496-7498.

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

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