

Product Datasheet

NAS-181

Catalog No. **BP-01964** · CAS **205242-62-2** · Form **free base** · Physical state **solid** · Color **off-white to light yellow** · Version **1.0** · Revision **2026-09-09**

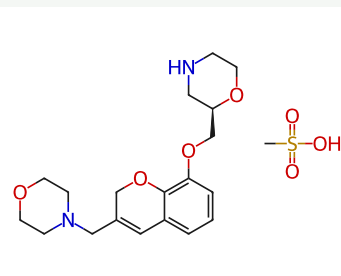
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Target 5-HT Receptor	Research area Neurological Disease
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Molecular formula **C₂₀H₃₀N₂O₇S**

Molecular weight **442.5260**

STRUCTURE



DESCRIPTION

NAS-181 is a potent and selective rat 5-hydroxytryptamine_{1B} (r5-HT_{1B}) antagonist with an K_i value of 47 nM. NAS-181 increases the 5-HTP accumulation in rat brain regions.

BIOLOGICAL ACTIVITY

NAS-181 (compound (R)-25) (0-1000 nM) increases the K⁺-stimulated release of [3H]-5-HT from rat occipital cortical slices NAS-181 (3 mg/kg; s.c.) increases in the number of wet dog shakes in rats, and the effect is abolished by pretreatment of the rats with the tryptophan hydroxylase inhibitor p-chlorophenylalanine (pCPA) (200 mg/kg; i.p.) NAS-181 (20 mg/kg; s.c.) increases the 5-HTP accumulation in rat brain regions

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Berg S, et al. (R)-(+)-2-[[[3-(Morpholinomethyl)-2H-chromen-8-yl]oxy]methyl] morpholine methanesulfonate: a new selective rat 5-hydroxytryptamine_{1B} receptor antagonist. J Med Chem. 1998 May 21;41(11):1934-42.

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Lot CoA and SDS are separate documents.