Product Datasheet

Bretisilocin

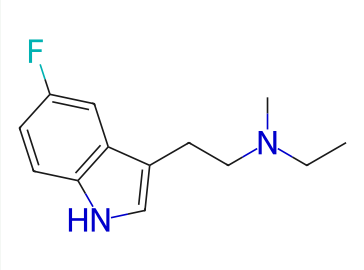
Catalog No. **BP-08843** · CAS **2698331-35-8** · Form **free base** · Physical state **oil** · Color **White to light yellow** · Version **1.0** · Revision **2026-11-16**

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Target	Research area
5-HT Receptor	**Neurological Disease**

Molecular formula	**$C_{13}H_{17}FN_2$**
Molecular weight	**220.2910**

STRUCTURE



DESCRIPTION

Bretisilocin (GM-2505) is the agonist for 5-HT2A receptor and a serotonin releaser. Bretisilocin exhibits antidepressant activity and can be used in the study of depression .

BIOLOGICAL ACTIVITY

Bretisilocin has a good safety profile and exhibits dose-proportional pharmacokinetics

SOLUBILITY

Soluble in DMSO : 100 mg/mL

In vitro	DMSO : 100 mg/mL

REFERENCES

[1]. Marek GJ, et al. A novel psychedelic 5-HT2A receptor agonist GM-2505: The pharmacokinetic, safety, and pharmacodynamic profile from a randomized trial healthy volunteer. J Psychopharmacol. 2025 Oct 16:2698811251378512. (https://pubmed.ncbi.nlm.nih.gov/41099491/)

[2]. Witkin JM, et al. Clinical pharmacological innovation in the treatment of depression. Expert Rev Clin Pharmacol. 2023 Apr;16(4):349-362. (https://pubmed.ncbi.nlm.nih.gov/37000975/)