

Product Datasheet

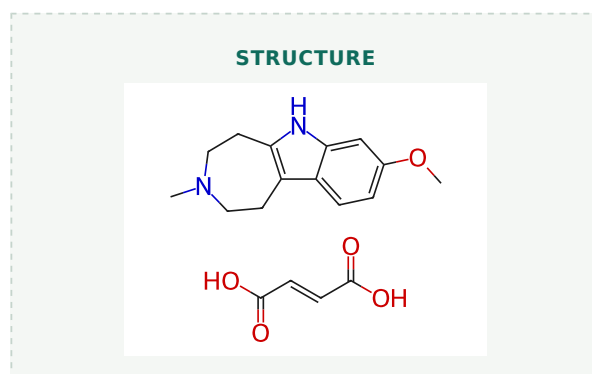
Tabernanthalog fumarate

Catalog No. **BP-02147A** · CAS **2483829-59-8** · Form **other** · Physical state **other** · Color **white to beige** · Version **1.0** · Revision **2026-09-03**

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Target EGFR	Research area Cancer
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Molecular formula	C₁₈H₂₂N₂O₅
Molecular weight	346.3777



DESCRIPTION

Tabernanthalog (TBG) is a water-soluble, non-hallucinogenic and non-toxic ibogaine analog with potent 5-HT_{2A} receptor (human and mouse) agonist and 5-HT_{2B} receptor (human) antagonist activities, but no opioid agonist activity. TBG induces rat dendritic growth blockable by the 5-HT_{2A} antagonist ketanserin in cultures and exhibits antidepressant-like efficacy in vivo (50 mg/kg via i.p. by mouse forced swimming or alcohol consumption, 40 mg/kg by rat heroin self-administration).

BIOLOGICAL ACTIVITY

Tabernanthalog (TBG) is a water-soluble, non-hallucinogenic and non-toxic ibogaine analog with potent 5-HT_{2A} receptor (human and mouse) agonist and 5-HT_{2B} receptor (human) antagonist activities, but no opioid agonist activity. TBG induces rat dendritic growth blockable by the 5-HT_{2A} antagonist ketanserin in cultures and exhibits antidepressant-like efficacy in vivo (50 mg/kg via i.p. by mouse forced swimming or alcohol consumption, 40 mg/kg by rat heroin self-administration).

SOLUBILITY

Soluble in H₂O: 2 mg/mL, clear (warmed)

REFERENCES

- [1]. Yang JC, et al. Safety, Efficacy, and Pharmacokinetics of Almonertinib (HS-10296) in Pretreated Patients With EGFR-Mutated Advanced NSCLC: A Multicenter, Open-label, Phase 1 Trial [published online ahead of print, 2020 Sep 9]. J Thorac Oncol. 2020;S1556-0
- [2]. Sullivan I, et al. Next-Generation EGFR Tyrosine Kinase Inhibitors for Treating EGFR-Mutant Lung Cancer beyond First Line. Front Med (Lausanne). 2017 Jan 18;3:76.

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Lot CoA and SDS are separate documents.