

Product Datasheet

PDE9-IN-(S)-C33

Catalog No. **BP-02421** · CAS **2066488-39-7** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-11**

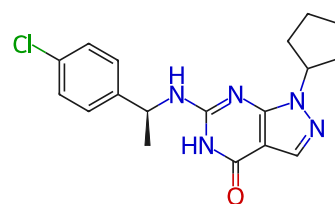
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Target Phosphodiesterase (PDE)	Research area Neurological Disease
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Molecular formula **C₁₈H₂₀ClN₅O**

Molecular weight **357.8370**

STRUCTURE



DESCRIPTION

(S)-C33 is a potent and selective PDE9 (phosphodiesterase-9) inhibitor, with an IC₅₀ of 11 nM. (S)-C33 can be used for central nervous system diseases and diabetes research .

BIOLOGICAL ACTIVITY

In Vitro

(S)-C33 shows the T_{1/2} values of 105 and 54 minutes in human and mouse microsomes.

SOLUBILITY

Soluble in DMSO : 100 mg/mL

REFERENCES

[1].Huang M, Shao Y, Hou J, et al. Structural Asymmetry of Phosphodiesterase-9A and a Unique Pocket for Selective Binding of a Potent Enantiomeric Inhibitor. Mol Pharmacol. 2015;88(5):836-845.

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Lot CoA and SDS are separate documents.