Product Datasheet

PTC-518

Catalog No. **BP-06907** · CAS **2407849-89-0** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0** · Revision **2026-11-16**

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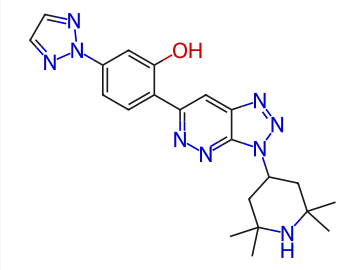
Target	Research area
Huntingtin	**Neurological Disease**

Molecular formula	**$C_{21}H_{25}N_9O$**
Molecular weight	**419.4829**

STRUCTURE



DESCRIPTION

Votoplam (PTC518) (Example 37) is an HTT gene regulator with an IC50 ≤ 0.1 μM. Votoplam can be used in the research of Huntington's disease.

BIOLOGICAL ACTIVITY

Votoplam exhibits unremarkable metabolic profiles in liver microsomes and hepatocytes, and does not inhibit major CYP enzymes or transporters[2].

The plasma protein binding rate of Votoplam in plasma ranges from 80% to 88%[2].

Votoplam (Example 37) is an HTT gene modulator with an IC50 ≤ 0.1 μM

SOLUBILITY

soluble in DMSO

In vitro	DMSO : 12.5 mg/mL

REFERENCES

[1]. Lee L, et al. Effects of High- and Low-Fat Meals on the Bioavailability and Pharmacokinetics of Votoplam, a HTT Gene Splicing Modifier. Clinical pharmacology in drug development. 2026 Mar;15(3):e1626.

[2]. Gao L, et al. Pharmacokinetics and pharmacodynamics of PTC518, an oral huntingtin lowering splicing modifier: A first-in-human study. British journal of clinical pharmacology. 2024 Dec;90(12):3242-3251.

[3]. Sydorenko, et al. Heterocyclic and heteroaryl compounds for treating huntington's disease World Intellectual Property Organization, WO2020005873 A1. 2020-01-02.

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