

Product Datasheet

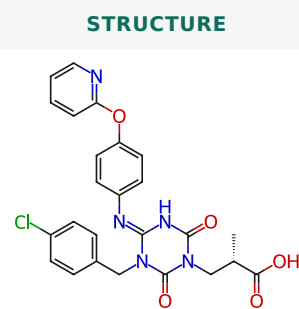
S-600918

Catalog No. **BP-02009** · CAS **2414285-40-6** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-10**

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Target	Research area
P2X Receptor	Neurological Disease

Molecular formula	C₂₅H₂₂ClN₅O₅
Molecular weight	507.9260



DESCRIPTION

Sivopixant (S-600918) is a potent and selective P2X3 receptor antagonist (P2X3 IC₅₀=4.2 nM; P2X2/3 IC₅₀=1100 nM). Sivopixant shows strong analgesic effect.

BIOLOGICAL ACTIVITY

In Vivo

Sivopixant (S-600918) (i.v.; 1 mg/kg) shows a longer half-life ($T_{1/2}$ = 10.1 hours) and a strong analgesic effect in the rat Seltzer model of allodynia (ED_{50} = 0.4 mg/kg).

SOLUBILITY

Soluble in DMSO 12.5 mg/mL

REFERENCES

[1]. Kai H, et al. Discovery of clinical candidate Sivopixant (S-600918): Lead optimization of dioxotriazine derivatives as selective P2X3 receptor antagonists [published online ahead of print, 2021 Sep 26]. *Bioorg Med Chem Lett*. 2021;52:128384.