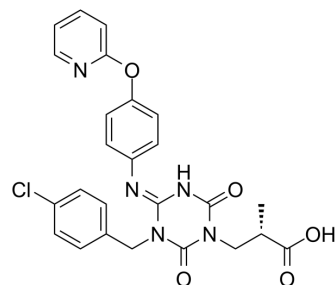


Sivopixant

Cat. No.:	HY-137451		
CAS No.:	2414285-40-6		
Molecular Formula:	C ₂₅ H ₂₂ ClN ₅ O ₅		
Molecular Weight:	507.93		
Target:	P2X Receptor		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Sivopixant (S-600918) is a potent and selective P2X3 receptor antagonist (P2X3 IC ₅₀ =4.2 nM; P2X2/3 IC ₅₀ =1100 nM). Sivopixant shows strong analgesic effect ^[1] .
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) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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