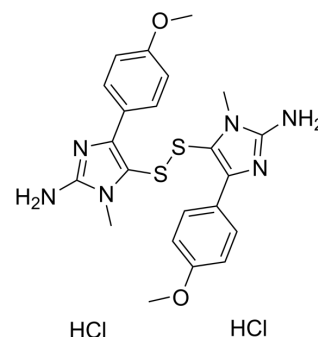


Polycarpine hydrochloride

Cat. No.:	HY-N12697A
CAS No.:	175669-29-1
Molecular Formula:	C ₂₂ H ₂₆ Cl ₂ N ₆ O ₂ S ₂
Molecular Weight:	541.52
Target:	SARS-CoV; Virus Protease; Influenza Virus; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Polycarpine hydrochloride (1a) is a broad-spectrum Mpro inhibitor (IC ₅₀ = 30 nM) that can be isolated from the Polycarpa aurata and also serves as an anti-coronaviral agent. Polycarpine hydrochloride possesses antiviral and antifungal activities, with IC ₅₀ values of 30.0 nM and 0.12 μM against SARS-CoV-2 Mpro and PEDV Mpro, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 30 nM (Mpro) ^[1] .

REFERENCES

[1]. Zhang J, et al. An ascidian Polycarpa aurata-derived pan-inhibitor against coronaviruses targeting M^{Pro}. *Bioorg Med Chem Lett*. 2024;103:129706.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA