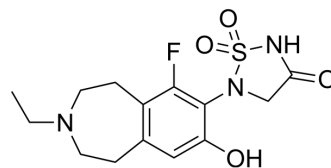


PTPN2/1-IN-3

Cat. No.:	HY-162428
Molecular Formula:	C ₁₄ H ₁₈ FN ₃ O ₄ S
Molecular Weight:	343.37
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PTPN2/1-IN-3 (compound 4) is a modified, orally active PTPN2/N1 inhibitor based on ABBV-CLS-484 (HY-145923). PTPN2/1-IN-3 has anti-tumor effects, inhibiting PTPN2 with an IC ₅₀ of 9.3 nM and having an oral bioavailability of 93% in mice. ^{[4][1]}
IC ₅₀ & Target	IC ₅₀ : 9.3 nM (PTPN2) ^[1]

REFERENCES

[1]. Zheng J, et al. Synthesis and structure-activity optimization of azepane-containing derivatives as PTPN2/PTPN1 inhibitors. *Eur J Med Chem.* 2024 Apr 15;270:116390.

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