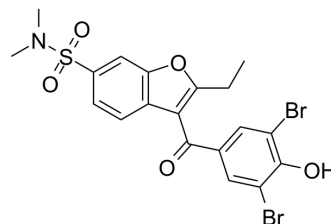


PTP1B-IN-15

Cat. No.:	HY-108196		
CAS No.:	765317-71-3		
Molecular Formula:	C ₁₉ H ₁₇ Br ₂ NO ₃ S		
Molecular Weight:	531.21		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (470.62 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8825 mL	9.4125 mL	18.8249 mL
5 mM	0.3765 mL	1.8825 mL	3.7650 mL
10 mM	0.1882 mL	0.9412 mL	1.8825 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

PTP1B-IN-15 is a potent and selective inhibitor of protein tyrosine phosphatase 1B (PTP1B). PTP1B-IN-15 has the potential for the research of type II diabetes and obesity^[1].

IC₅₀ & Target

PTP1B^[1]

REFERENCES

[1]. Kamerlin SC, et al. A molecular dynamics study of WPD-loop flexibility in PTP1B. *Biochem Biophys Res Commun.* 2007;356(4):1011-1016.

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

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