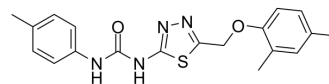


cyt-PTPε Inhibitor-1

Cat. No.:	HY-112800		
CAS No.:	428478-94-8		
Molecular Formula:	C ₁₉ H ₂₀ N ₄ O ₂ S		
Molecular Weight:	368.45		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	cyt-PTPε Inhibitor-1 is a potent cytosolic protein tyrosine phosphatase epsilon (cyt-PTPε) inhibitor, binds to the catalytic domain of cyt-PTPε, blocks c-Src activation (dephosphorylation of c-Src), and exhibits anti-osteoclastic activity ^[1] .
IC₅₀ & Target	cyt-PTPε ^[1]
In Vitro	cyt-PTPε Inhibitor-1 (Compound 62) is a potent cytosolic protein tyrosine phosphatase epsilon with anti-osteoclastic activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ku B, et al. Identification of N-(5-(phenoxyethyl)-1,3,4-thiadiazol-2-yl)acetamide derivatives as novel protein tyrosine phosphatase epsilon inhibitors exhibiting anti-osteoclastic activity. *ioorg Med Chem*. 2018 Oct 1;26(18):5204-5211.

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

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