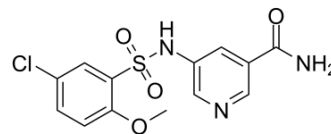


SBI-425

Cat. No.:	HY-124756
CAS No.:	1451272-71-1
Molecular Formula:	C ₁₃ H ₁₂ ClN ₃ O ₄ S
Molecular Weight:	341.77
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

SBI-425 is a potent, selective and oral bioavailable **tissue-nonspecific alkaline phosphatase (TNAP)** inhibitor^[1]. Long-term administration of SBI-425 effectively reaches and inhibits TNAP in the vasculature, improving cardiovascular parameters and survival at a dose that does not cause a detectable change in bone^[2].

REFERENCES

[1]. Pinkerton AB, et al. Discovery of 5-((5-chloro-2-methoxyphenyl)sulfonamido)nicotinamide (SBI-425), a potent and orally bioavailable tissue-nonspecific alkaline phosphatase (TNAP) inhibitor. *Bioorg Med Chem Lett*. 2018 Jan 1;28(1):31-34.

[2]. Sheen CR, et al. Pathophysiological role of vascular smooth muscle alkaline phosphatase in medial artery calcification. *J Bone Miner Res*. 2015 May;30(5):824-36.

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

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