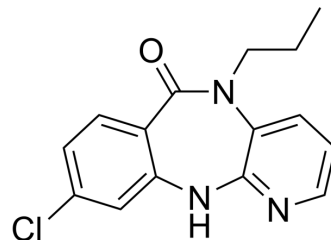


BI-0115

Cat. No.:	HY-23999		
CAS No.:	4929-23-1		
Molecular Formula:	C ₁₅ H ₁₄ ClN ₃ O		
Molecular Weight:	287.74		
Target:	LOX-1		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (347.54 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	3.4754 mL	17.3768 mL	34.7536 mL
			5 mM	0.6951 mL	3.4754 mL	6.9507 mL
			10 mM	0.3475 mL	1.7377 mL	3.4754 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.69 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	BI-0115 is a selective inhibitor of LOX-1 (IC ₅₀ =5.4 μM) that blocks cellular uptake of oxLDL. BI-0115 binding triggers receptor inhibition by formation of dimers of the homodimeric ligand binding domain ^[1] .
In Vitro	BI-0115 efficiently reduces oxLDL internalization in the cellular context. The IC ₅₀ values of the cellular assay (5.4 μM) are in good agreement with the determined K _d values in SPR (4.3 μM) and ITC (6.99 μM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Schnapp, G., et al. A small-molecule inhibitor of lectin-like oxidized LDL receptor-1 acts by stabilizing an inactive receptor tetramer state. *Commun Chem* 3, 75 (2020).

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