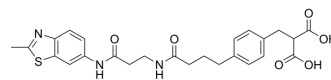


LDHA-IN-4

Cat. No.:	HY-18968
CAS No.:	1370290-34-8
Molecular Formula:	C ₂₅ H ₂₇ N ₃ O ₆ S
Molecular Weight:	497.56
Target:	Lactate Dehydrogenase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (200.98 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0098 mL	10.0490 mL	20.0981 mL
	5 mM	0.4020 mL	2.0098 mL	4.0196 mL
	10 mM	0.2010 mL	1.0049 mL	2.0098 mL

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

BIOLOGICAL ACTIVITY

Description

AZ-33 is a selective lactate dehydrogenase A (LDHA) inhibitor with an IC₅₀ of 0.5 μM and a K_d of 0.093 μM^[1].

REFERENCES

[1]. Ward RA, et al. Design and synthesis of novel lactate dehydrogenase A inhibitors by fragment-based lead generation. J Med Chem. 2012 Apr 12;55(7):3285-306.

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

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