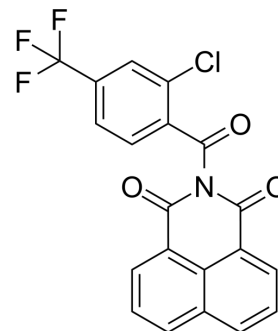


Transketolase-IN-3

Cat. No.:	HY-151604
CAS No.:	2757552-03-5
Molecular Formula:	C ₂₀ H ₉ ClF ₃ NO ₃
Molecular Weight:	403.74
Target:	Transketolase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (61.92 mM); ultrasonic and warming and heat to 60°C)				
Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.4768 mL	12.3842 mL	24.7684 mL
	5 mM		0.4954 mL	2.4768 mL	4.9537 mL
	10 mM		0.2477 mL	1.2384 mL	2.4768 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: ≥ 1.67 mg/mL (4.14 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Transketolase-IN-3 is a potent transketolase (TK) inhibitor. Transketolase-IN-3 has herbicidal activity and has inhibitory effects against <i>Digitaria sanguinalis</i> (DS) and <i>Amaranthus retroflexus</i> (AR). Transketolase-IN-3 can be used for the research of herbicides ^[1] .
In Vitro	Transketolase-IN-3 (100 mg/L) exhibits stronger inhibitory effects against <i>Digitaria sanguinalis</i> (DS) and <i>Amaranthus retroflexus</i> (AR) ^[1] . Transketolase-IN-3 (at 0-90 g) exhibits excellent postemergence herbicidal activity against DS and AR ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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