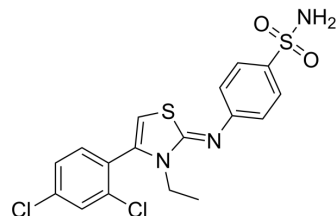


EMAC10101d

Cat. No.:	HY-138365		
CAS No.:	2561476-24-0		
Molecular Formula:	C ₁₇ H ₁₅ Cl ₂ N ₃ O ₂ S ₂		
Molecular Weight:	428.36		
Target:	Carbonic Anhydrase		
Pathway:	Metabolic Enzyme/Protease		
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 : 62.5 mg/mL (145.91 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3345 mL	11.6724 mL	23.3449 mL
		5 mM	0.4669 mL	2.3345 mL	4.6690 mL
10 mM		0.2334 mL	1.1672 mL	2.3345 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: ≥ 2.08 mg/mL (4.86 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	EMAC10101d is a potent and selective toward hCA II inhibitor, with a K _i of 8.1 nM ^[1] .
IC₅₀ & Target	CA ☒
In Vitro	EMAC10101d exhibits K _i values of 9627.4 nM, 8.1 nM, 224.6 nM and 154.9 nM for hCA ☒, hCA II, hCA☒ and hCA ☒, respectively [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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