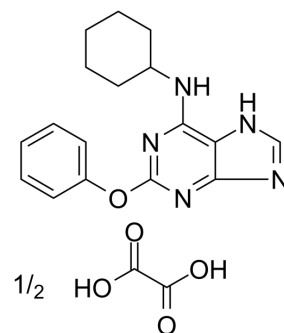


MRS-3777 hemioxalate

Cat. No.:	HY-110037
CAS No.:	1186195-57-2
Molecular Formula:	C ₁₇ H ₁₉ N ₅ O ₁ ·1/2C ₂ H ₂ O ₄
Molecular Weight:	399.4
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (250.38 mM; ultrasonic and adjust pH to 3 with HCl)					
	H ₂ O : < 0.1 mg/mL (insoluble)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.5038 mL	12.5188 mL	25.0376 mL
5 mM			0.5008 mL	2.5038 mL	5.0075 mL	
	10 mM		0.2504 mL	1.2519 mL	2.5038 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (6.26 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.26 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.26 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	MRS-3777 hemioxalate is a selective adenosine A3 receptor antagonist ^[1] .
IC₅₀ & Target	adenosine A3 receptor ^[1]

REFERENCES

[1]. Nascimento FP, et al. Inosine reduces pain-related behavior in mice: involvement of adenosine A1 and A2A receptorsubtypes and protein kinase C pathways. J Pharmacol Exp Ther. 2010 Aug;334(2):590-8.

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

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