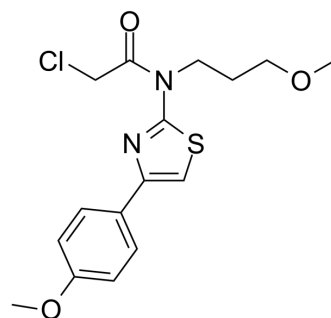


JT010

Cat. No.:	HY-111132		
CAS No.:	917562-33-5		
Molecular Formula:	C ₁₆ H ₁₉ ClN ₂ O ₃ S		
Molecular Weight:	354.85		
Target:	TRP Channel		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
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 (281.81 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.8181 mL	14.0905 mL	28.1809 mL
	5 mM	0.5636 mL	2.8181 mL	5.6362 mL
	10 mM	0.2818 mL	1.4090 mL	2.8181 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	JT010 is a potent agonist of TRPA1 with an EC ₅₀ of 0.65 nM.
IC₅₀ & Target	EC50: 0.65 nM (TRPA1) ^[1]

CUSTOMER VALIDATION

- J Membr Biol. 2020 Feb;253(1):43-55.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Takaya J, et al. A Potent and Site-Selective Agonist of TRPA1. J Am Chem Soc. 2015 Dec 23;137(50):15859-64.

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

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