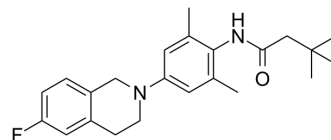


## Azetukalner

Cat. No.:	HY-139791		
CAS No.:	1009344-33-5		
Molecular Formula:	C <sub>23</sub> H <sub>29</sub> FN <sub>2</sub> O		
Molecular Weight:	368.49		
Target:	Potassium Channel		
Pathway:	Membrane Transporter/Ion Channel		
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 : 50 mg/mL (135.69 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	2.7138 mL	13.5689 mL	27.1378 mL
			5 mM	0.5428 mL	2.7138 mL	5.4276 mL
10 mM			0.2714 mL	1.3569 mL	2.7138 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: ≥ 2.5 mg/mL (6.78 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	KCNQ2/3 activator-1 is an activator of Kv7.2/Kv7.3 (KCNQ2/3) potassium channel. KCNQ2/3 activator-1 has the potential in relieving pain (the main problem from medical treatment) (extracted from patent WO2021113757A1, compound A) <sup>[1]</sup> .
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### REFERENCES

[1]. James Philip, et al. Use of a kv7 potassium channel opener for treating pain. Patent WO2021113757A1.

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

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