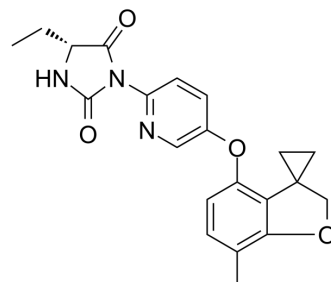


## Kv3 modulator 2

<b>Cat. No.:</b>	HY-128829
<b>CAS No.:</b>	2101321-76-8
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	379.41
<b>Target:</b>	Potassium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<b>Storage:</b>	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 : 100 mg/mL (263.57 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6357 mL	13.1784 mL	26.3567 mL
5 mM	0.5271 mL	2.6357 mL	5.2713 mL
10 mM	0.2636 mL	1.3178 mL	2.6357 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Kv3 modulator 2 (formula (I)) is a potent Kv3 channels modulator extracted from patent WO2018109484A1, compound formula (I), has analgesic activity and is used in the prophylaxis or treatment of related disorders<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Kv3 channels<sup>[1]</sup>

### REFERENCES

[1]. Giuseppe Alvaro, et al. Hydantoin modulators of kv3 channels.

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

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