

RU-TRAAK-2

## Chemical Properties

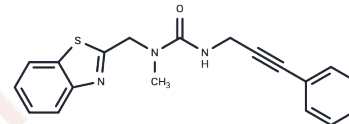
CAS No. : 1210538-56-9

Formula: C<sub>19</sub>H<sub>17</sub>N<sub>3</sub>O<sub>5</sub>

Molecular Weight: 335.42

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	RU-TRAAK-2 is a reversible inhibitor of TWIK-related arachidonic acid-stimulated K <sup>+</sup> channel with no activity for non-K <sub>2</sub> P channels including Kv1.2, GIRK2, and Slo1.
Targets(IC <sub>50</sub> )	Potassium Channel

## Solubility Information

Solubility	DMSO: 48 mg/mL (143.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9813 mL	14.9067 mL	29.8134 mL
5 mM	0.5963 mL	2.9813 mL	5.9627 mL
10 mM	0.2981 mL	1.4907 mL	2.9813 mL
50 mM	0.0596 mL	0.2981 mL	0.5963 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Su Z, et al. Novel cell-free high-throughput screening method for pharmacological tools targeting K<sup>+</sup> channels. Proc Natl Acad Sci U S A. 2016;113(20):5748-5753.

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