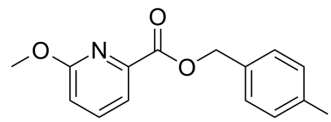


## TRV-7019

<b>Cat. No.:</b>	HY-153432	
<b>CAS No.:</b>	2598164-15-7	
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>12</sub> INO <sub>3</sub>	
<b>Molecular Weight:</b>	369.15	
<b>Target:</b>	Cholinesterase (ChE)	
<b>Pathway:</b>	Neuronal Signaling	
<b>Storage:</b>	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 (270.89 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7089 mL	13.5446 mL	27.0893 mL
	5 mM	0.5418 mL	2.7089 mL	5.4179 mL
	10 mM	0.2709 mL	1.3545 mL	2.7089 mL

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

### BIOLOGICAL ACTIVITY

#### Description

TRV-7019 is a BBB-penetrable radioligand for brain imaging that target butyrylcholinesterase. TRV-7019 can be used for the diagnosis of an amyloid disease, multiple sclerosis, a brain tumor, or butyrylcholinesterase activity<sup>[1]</sup>.

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

BChE

### REFERENCES

[1]. Sultan Darvesh, et al. Butyrylcholinesterase compounds and use in diseases of the nervous system. Patent WO2021026429A1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA