



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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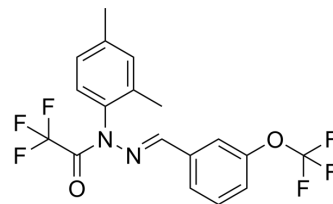
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CAD031

Cat. No.:	HY-124609
CAS No.:	2071209-49-7
Molecular Formula:	C ₁₈ H ₁₄ F ₆ N ₂ O ₂
Molecular Weight:	404.31
Target:	Monoamine Oxidase; Dopamine Transporter
Pathway:	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 (247.33 mM; Need ultrasonic and warming)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.4733 mL	12.3667 mL	24.7335 mL
		5 mM		0.4947 mL	2.4733 mL	4.9467 mL
		10 mM		0.2473 mL	1.2367 mL	2.4733 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (6.18 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (6.18 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	CAD031 is a derivative of the Alzheimer's disease (AD) targeting agent J147 (HY-13779) with neuroprotective and memory-enhancing properties. CAD031 enhances memory in mice, improves dendritic structure, and stimulates cell division in the germinal zone of the brain in aged mice. CAD031 is more active than J147 in human neural stem cell assays ^[1] .
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REFERENCES

[1]. Prior M, et al. Selecting for neurogenic potential as an alternative for Alzheimer's disease drug discovery. *Alzheimers Dement*. 2016 Jun;12(6):678-86.

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

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