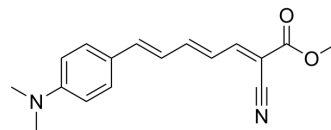


MCAAD-3

Cat. No.:	HY-156842		
CAS No.:	1625629-51-7		
Molecular Formula:	C ₁₇ H ₁₈ N ₂ O ₂		
Molecular Weight:	282.34		
Target:	Amyloid-β		
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 : 10 mg/mL (35.42 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.5418 mL	17.7091 mL	35.4183 mL
5 mM	0.7084 mL	3.5418 mL	7.0837 mL
10 mM	0.3542 mL	1.7709 mL	3.5418 mL

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

BIOLOGICAL ACTIVITY

Description

MCAAD-3 is a near-infrared Aβ imaging probe with blood-brain barrier penetrability. MCAAD-3 has a strong affinity for Aβ polymers (K_i > 106 nM) and can label Aβ plaques in the brains of transgenic mice^[1].

REFERENCES

[1]. Fu H, et al. Evaluation of molecules based on the electron donor-acceptor architecture as near-infrared β-amyloid-targeting probes. Chem Commun (Camb). 2014 Oct 14;50(80):11875-8.

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

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