

Product datasheet

# MCAAD-3, Near-infrared probe for imaging of amyloid plaques ab216983

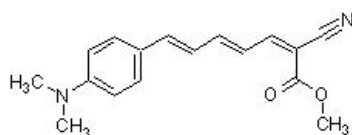
Overview

<b>Product name</b>	MCAAD-3, Near-infrared probe for imaging of amyloid plaques
<b>Description</b>	Near-infrared probe for imaging of amyloid plaques in Alzheimer's disease
<b>Biological description</b>	Near-infrared probe for imaging of amyloid plaques in Alzheimer's disease. DANIR 2c analog that shows extended emission wavelength and significant reduced binding affinity to A $\beta$ aggregates compared with DANIR 2c. <i>In vivo</i> imaging studies suggest that MCAAD-3 can penetrate the blood–brain barrier and label A $\beta$ plaques in the brains of transgenic mice. <a href="#">Learn more</a>

**Purity** > 99%

**CAS Number** 1625629-51-7

**Chemical structure**



Properties

<b>Chemical name</b>	methyl (2Z,4E,6E)-2-cyano-7-[4-(dimethylamino)]hepta-2,4,6-trienoate
<b>Molecular weight</b>	282.34
<b>Molecular formula</b>	C <sub>17</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	<chem>CN(C)c1ccc(/C=C/C=C/C=C(/C#N)C(=O)OC)cc1</chem>
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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