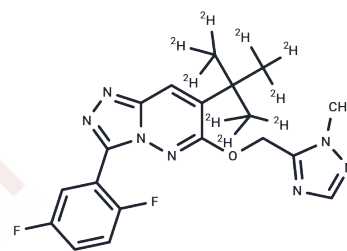


L-838417-D9

## Chemical Properties

CAS No. : 1213669-91-0  
 Formula: C<sub>19</sub>H<sub>10</sub>D<sub>9</sub>F<sub>2</sub>N<sub>7</sub>O  
 Molecular Weight: 408.45  
 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	L-838417-D9 is a novel deuterated subtype-selective GABA(A) positive allosteric modulator, acting as a partial agonist at $\alpha$ 2, $\alpha$ 3 and $\alpha$ 5 subtypes[1].
Targets(IC50)	GABA Receptor

## Solubility Information

Solubility	DMSO: 12 mg/mL (29.38 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	2.4483 mL	12.2414 mL	24.4828 mL
5 mM	0.4897 mL	2.4483 mL	4.8966 mL
10 mM	0.2448 mL	1.2241 mL	2.4483 mL
50 mM	0.049 mL	0.2448 mL	0.4897 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

Hofmann M, et al. Assessment of the effects of NS11394 and L-838417,  $\alpha$ 2/3 subunit-selective GABA(A) [corrected] receptor-positive allosteric modulators, in tests for pain, anxiety, memory and motor function [published correction appears in Behav Pharmacol. 2013 Apr;24(2):153]. Behav Pharmacol. 2012;23(8):790-801.

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