

Product Data Sheet

Product Name: Olanzapine D3

Cat. No.: GC61809

Chemical Properties

Cas. No. 786686-79-1

SMILES [2H]C(N1CCN(C2=NC3=CC=CC=C3NC4=C2C=C(C)S4)CC1)([2H])[2H]

Formula $C_{17}H_{17}D_3N_4S$ M.Wt 315.45

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

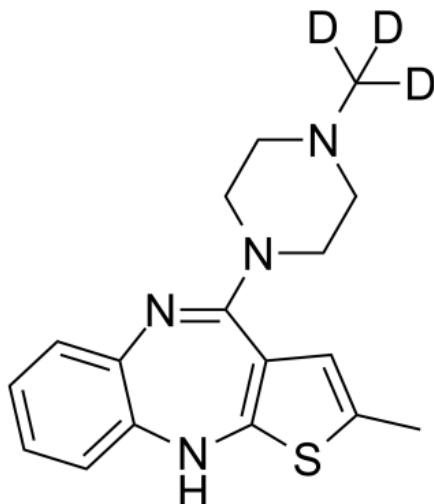
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Olanzapine D3 (LY170053 D3) is the deuterium labeled Olanzapine. Olanzapine is a selective monoaminergic antagonist with high affinity binding to serotonin H1, 5HT2A/2C, 5HT3, 5HT6 ($K_i=7, 4, 11, 57$, and 5 nM, respectively), dopamine D1-4 ($K_i=11$ to 31 nM), muscarinic M1-5 ($K_i=1.9$ - 25 nM), and adrenergic α_1 receptors ($K_i=19$ nM). Olanzapine is an atypical antipsychotic[1][2].

[1]. APPROVED AGREED-UPON LABELING. [2]. Olanzapine for Injection, powder, for solution for intramuscular use.

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