

Product Data Sheet

Product Name: Lorazepam-d4 (CRM)

Cat. No.: GC91683

Chemical Properties

Cas. No. 84344-15-0

Formula $C_{15}H_6Cl_2D_4N_2O_2$

M.Wt 325.2

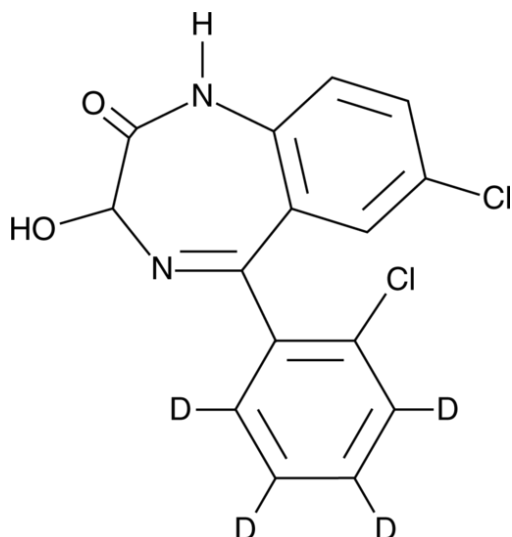
Solubility N/A

Storage -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.

Structure



Background

Lorazepam-d4 (CRM) is intended for use as an internal standard for the quantification of lorazepam.^{2,3} Formulations containing lorazepam have been used in the treatment of anxiety. Lorazepam-d4 is regulated as a Schedule IV compound in the United States. Lorazepam-d4 (CRM) is provided as a DEA exempt preparation. This product is intended for research and forensic applications.

References:

[1]. Miller, L.G., Greenblatt, D.J., Barnhill, J.G., et al. Chronic benzodiazepine administration. I.

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

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Tolerance is associated with benzodiazepine receptor downregulation and decreased γ -aminobutyric acidA receptor functionJ. Pharmacol. Exp. Ther.246(1)170-176(1988).

[2].Baldwin, D., Woods, R., Lawson, R., et al.Efficacy of drug treatments for generalised anxiety disorder: Systematic review and meta-analysisBMJ342d1199(2011).

[3].Moosmann, B., Bisel, P., and Auwärter, V.Characterization of the designer benzodiazepine diclazepam and preliminary data on its metabolism and pharmacokineticsDrug Test Anal.6(7-8)757-763(2014).

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