

Product Data Sheet

Product Name: Flubromazolam-d4

Cat. No.: GC47357

Chemical Properties

Cas. No. N/A

SMILES BrC1=CC(C(C2=C([2H])C([2H])=C([2H])C([2H])=C2F)=NCC3=NN=C(C)N34)=C4C=C1

Formula C₁₇H₈BrD₄FN₄ M.Wt 375.2

Solubility DMF: 30 mg/ml, DMF:PBS (pH 7.2) (1:1): 0.50 mg/ml, DMSO: 20 mg/ml, Ethanol: 10 mg/ml
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.

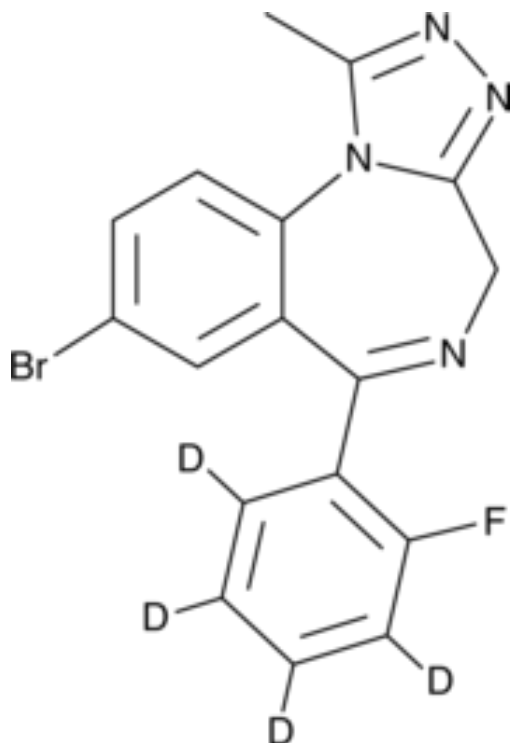
Caution: Product has not been fully validated for medical applications. For research use only.

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

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Structure



Background

Flubromazolam-d₄ is an analytical reference standard intended for use as an internal standard for the quantification of flubromazolam by GC- or LC-MS. Flubromazolam is categorized as a benzodiazepine. Flubromazolam has been detected in illicit candy-like pills and has anxiolytic, sedative, and muscle relaxant properties.^{1,2} This product is intended for research and forensic applications.

1. Pope, J.D., Choy, K.W., Drummer, O.H., et al. Novel benzodiazepines (clonazolam and

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flubromazolam) identified in candy-like pills J. Appl. Lab. Med. 3(1)48-55(2018) 2. ?ukasik-G??bocka, M., Sommerfeld, K., Te?yk, A., et al. Flubromazolam - A new life-threatening designer benzodiazepine Clin. Toxicol. (Phila) 54(1)66-68(2016)

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