

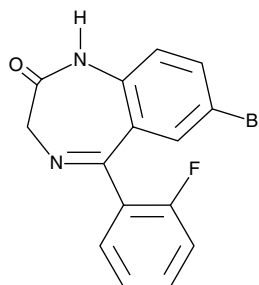
Product Information



Flubromazepam

Item No. 15157

CAS Registry No.: 2647-50-9
Formal Name: 7-bromo-5-(2-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one
MF: C₁₅H₁₀BrFN₂O
FW: 333.2
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 230, 322 nm



Laboratory Procedures

For long term storage, we suggest that flubromazepam be stored as supplied at -20°C. It should be stable for at least two years.

Flubromazepam is supplied as a crystalline solid. A stock solution may be made by dissolving the flubromazepam in the solvent of choice. Flubromazepam is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of flubromazepam in ethanol is approximately 10 mg/ml and approximately 25 mg/ml in DMSO and DMF.

Flubromazepam is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, flubromazepam should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Flubromazepam has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Flubromazepam is a designer benzodiazepine that has recently been detected in recreational drugs.¹ Similar compounds have sedative and muscle relaxant effects.¹ This product is intended for forensic and research purposes.

Reference

1. Moosmann, B., Huppertz, L.M., Hutter, M., *et al.* Detection and identification of the designer benzodiazepine flubromazepam and preliminary data on its metabolism and pharmacokinetics. *J. Mass Spectrom.* **48(11)**, 1150-1159 (2013).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/15157

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WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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