

Product Data Sheet

Product Name: JWH 018 N-(5-hydroxypentyl) β -D-Glucuronide-d5

Cat. No.: GC52508

Chemical Properties

Cas. No.

SMILES O=C(C1=C([2H])N(CCCCCOC2O[C@@H](C(O)=O)[C@H](O)[C@@H](O)[C@@H]2O)C3=C1C([2H])=C([2H])C([2H])=C3[2H])C4=C5C(C=CC=C5)=CC=C4

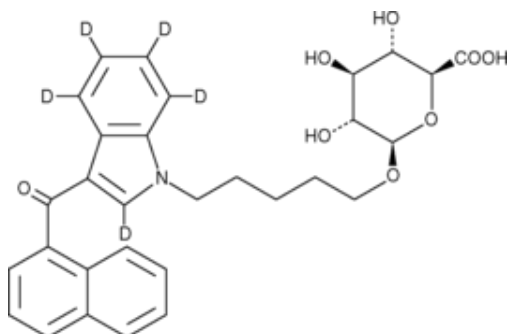
Formula C30H26D5NO8 M.Wt 538.6

Solubility DMSO: 10 mg/ml Storage -20°C

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

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

Structure



Background

JWH 018 N-(5-hydroxypentyl) β -D-glucuronide-d5 contains five deuterium atoms at the 2, 4, 5, 6, and 7 positions. It is intended for use as an internal standard for the quantification of JWH 018 N-(5-hydroxypentyl) β -D-glucuronide by GC- or LC-mass spectrometry (MS). JWH 018 is a potent, synthetic cannabinoid which has been identified in herbal blends and incense.^{1,2} JWH 018 N-(5-hydroxypentyl) β -D-glucuronide is a major urinary metabolite of JWH 018.^{3,4}

1. Auwärter, V., Dresen, S., Weinmann, W., et al. 'Spice' and other herbal blends: Harmless incense or cannabinoid designer drugs? J. Mass Spectrom. 44(5)832-837(2009) 2. Kikura-Hanajiri, R., Uchiyama, N., and Goda, Y. Survey of current trends in the abuse of psychotropic substances and

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

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plants in Japan Leg. Med. (Tokyo)13(3)109-115(2011) 3.Sobolevsky, T., Prasolov, I., and Rodchenkov, G.Detection of JWH-018 metabolites in smoking mixture post-administration urineForensic Sci. Int.200(1-3)141-147(2010) 4.Purandare, A.V., Wan, H., and Huynh, T.N.Heterocyclic inhibitors of protein arginine methyl transferases11/403,7901-70(2006)

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