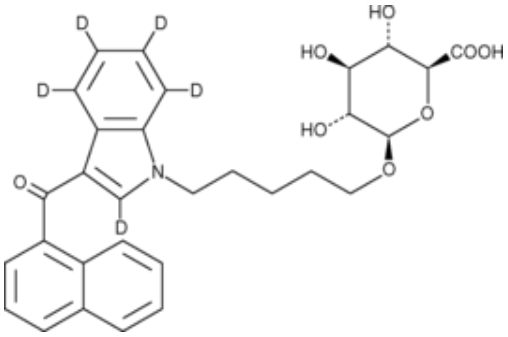
Product Data Sheet

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 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

JWH 018 N-(5-hydroxypentyl) β-D-glucuronide-d_5 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

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plants in JapanLeg. 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)

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