

## Product Data Sheet

Product Name: JWH 081 N-(4-hydroxypentyl) metabolite-d<sub>5</sub>

Cat. No.: GC47502

### Chemical Properties

Cas. No. 2747916-00-1

SMILES O=C(C1=C(C=CC=C2)C2=C(OC)C=C1)C3=C([2H])N(CCCC(O)C)C4=C3C([2H])=C([2H])C([2H])=C4[2H]

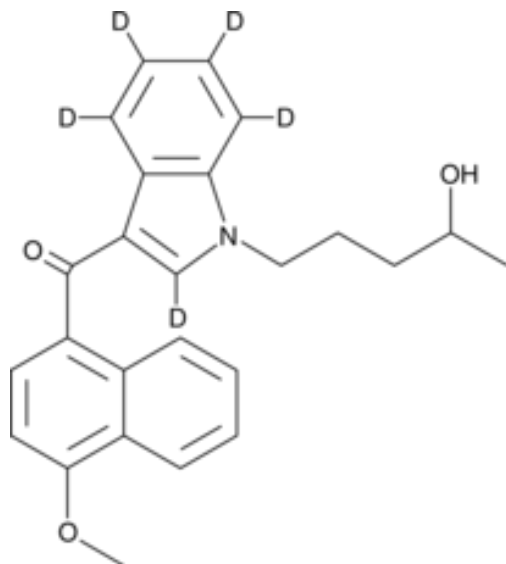
Formula C<sub>25</sub>H<sub>20</sub>D<sub>5</sub>NO<sub>3</sub> M.Wt 392.5

Solubility DMF: 16 mg/ml, DMF:PBS (pH 7.2) (1:5): 0.15 mg/ml, DMSO: 12.5 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.

Structure



### Background

JWH 081 N-(4-hydroxypentyl) metabolite-d<sub>5</sub> 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 081 N-(4-

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

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hydroxypentyl) metabolite by GC- or LC-MS. JWH 081 N-(4-hydroxypentyl) metabolite is an expected product of the phase I metabolism of JWH 081, based on studies on the metabolism of the related synthetic cannabinoids JWH 018 and JWH 073.<sup>1,2</sup>

1. Wintermeyer, A., Möller, I., Thevis, M., et al. In vitro phase I metabolism of the synthetic cannabimimetic JWH-018. *Anal. Bioanal. Chem.* 398(5):2141-2153 (2010)  
2. Chimalakonda, K.C., Moran, C.L., Kennedy, P.D., et al. Solid-phase extraction and quantitative measurement of omega and omega-1 metabolites of JWH-018 and JWH-073 in human urine. *Anal. Chem.* 83(16):6381-6388 (2011)

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