

## Product Data Sheet

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Product Name: Ketorolac D5

Cat. No.: GC60966

### Chemical Properties

Cas. No. 1215767-66-0

SMILES O=C(C1C2=CC=C(C(C3=C([2H])C([2H])=C([2H])C([2H])=C3[2H])=O)N2CC1)O

Formula  $C_{15}H_8D_5NO_3$  M.Wt 260.3

Solubility DMSO : 25 mg/mL (96.04 mM; Need ultrasonic) 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.**

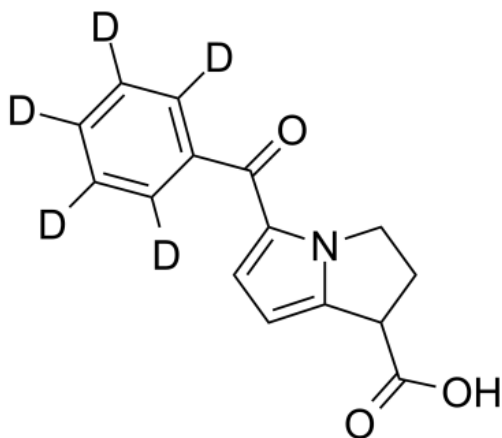
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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Structure



### Background

Ketorolac D5 is a deuterium labeled Ketorolac. Ketorolac is a non-steroidal anti-inflammatory agent, acting as a nonselective COX inhibitor, with IC50s of 20 nM for COX-1 and 120 nM for COX-2[1].

[1]. Waterbury LD, et al. Comparison of cyclooxygenase inhibitory activity and ocular anti-inflammatory effects of ketorolac tromethamine and bromfenac sodium. Curr Med Res Opin. 2006 Jun;22(6):1133-40.

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