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**Product Data Sheet**

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Product Name: Ibuprofen impurity 1

Cat. No.: GC60926

**Chemical Properties**

Cas. No. 3585-47-5

SMILES O=C(O)C(C)C1=CC=C(CCC)C=C1Formula  $C_{12}H_{16}O_2$  M.Wt 192.25

Solubility 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**

Ibuprofen impurity 1 is an Ibuprofen impurity. Ibuprofen is an anti-inflammatory inhibitor targeting COX-1 and COX-2 with IC50s of 13 μM and 370 μM, respectively[1].

[1]. Noreen Y, et al. Development of a radiochemical cyclooxygenase-1 and -2 in vitro assay for identification of natural products as inhibitors of prostaglandin biosynthesis. J Nat Prod. 1998 Jan;61(1):2-7.

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

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