
Product Data Sheet

Product Name: 4-Isopropylbenzoic acid

Cat. No.: GC61686

Chemical Properties

Cas. No. 536-66-3

SMILES C1=CC(=CC=C1C(C)C)C(O)=OFormula $C_{10}H_{12}O_2$

M.Wt 164.2

Solubility DMSO : 100 mg/mL (609.01 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.

Structure **Background**

4-Isopropylbenzoic acid, an aromatic monoterpenoid, is isolated from the stem bark of *Bridelia retusa*. 4-Isopropylbenzoic acid exhibits antifungal activities. 4-Isopropylbenzoic acid is also a reversible and uncompetitive inhibitor of mushroom tyrosinase[1][2].

[1]. Jayasinghe L, et, al. Antifungal constituents of the stem bark of *Bridelia retusa*. *Phytochemistry*. 2003 Feb;62(4):637-41. [2]. Huang XH, et, al. Inhibition of the activity of mushroom tyrosinase by alkylbenzoic acids. *Food Chemistry*. 2006 Jan; 94(1): 1-6.

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

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