
Product Data Sheet

Product Name: Benzimidazole

Cat. No.: GC39347

Chemical Properties

Cas. No. 51-17-2

SMILES C1=CC=CC=C1NC=N2Formula C7H6N2

M.Wt 118.14

Solubility Water: 5 mg/mL (42.32 mM)

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**

Benzimidazole is a heterocyclic aromatic organic compound and acts as an important pharmacophore in medicinal chemistry. Benzimidazole derivatives have been reported to possess various biological activities such as anti-cancer, anti-viral, anti-bacterial, anti-fungal, anti-helminthic, anti-inflammatory, proton pump inhibitor and anti-coagulant property[1][2][3].

[1]. V Yerragunta, et al. Benzimidazole Derivatives and Its Biological Importance: A Review, PharmaTutor, 2014, 2(3), 109-113. [2]. Fei F, et al. New substituted benzimidazole derivatives: a patent review (2010 - 2012). Expert Opin Ther Pat. 2013 Sep;23(9):1157-79. [3]. Wang M, et al. New substituted benzimidazole derivatives: a patent review (2013 - 2014). Expert Opin Ther Pat. 2015 May;25(5):595-612.

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

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