

Product Data Sheet

Product Name: Indazole
Cat. No.: GD15318

Chemical Properties

Cas. No. 271-44-3

Formula C₇H₆N₂

M.Wt 118.14

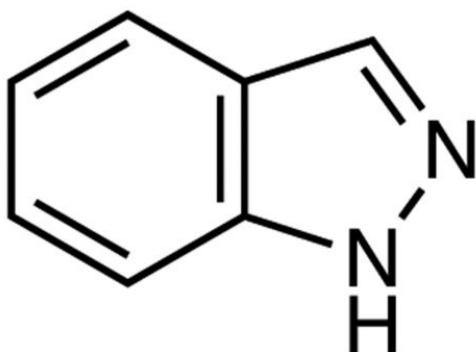
Solubility

Storage -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

Indazole, also called isoindazole, a heterocyclic aromatic organic compound. Its derivatives display a

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

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broad variety of biological activities including anti-inflammatory, antibacterial, anti-HIV, antiarrhythmic, antifungal and antitumour properties. Indazole and its derivatives can be used for research of cancer, neurological disorders, cardiovascular diseases, gastrointestinal diseases.

Indazole compounds possess potential anticancer activity, and indazole-based agents such as, Axitinib, Lonidamine and Pazopanib have already been used for cancer research, demonstrating indazole compounds as useful templates for the development of novel anticancer agents^[1]. Indazoles show potent activities against neurological disorders by inhibiting the monoamine oxidase (MAO) and kinase enzymes like Glycogen synthase kinase 3 (GSK3), and leucinerich repeat kinase enzyme 2 (LRRK2)^[2].

Various natural and synthetic indazole derivatives Nigellidine, Nigellamine, Nigellidine, Zanutinib and SCH772984 shows prominent results to cure various gastrointestinal disorders^[4].

[1]. Shang C, et al. The Anticancer Activity of Indazole Compounds: A Mini Review. Curr Top Med Chem. 2021;21(5):363-376.

[2]. Pal D, et al. Importance of Indazole against Neurological Disorders. Curr Top Med Chem. 2022;22(14):1136-1151.

[3]. Uppulapu SK, et al. Indazole and its Derivatives in Cardiovascular Diseases: Overview, Current Scenario, and Future Perspectives. Curr Top Med Chem. 2022;22(14):1177-1188.

[4]. Saha S, et al. Indazole Derivatives Effective against Gastrointestinal Diseases. Curr Top Med Chem. 2022;22(14):1189-1214.

[5]. Qin J, et al. Indazole as a Privileged Scaffold: The Derivatives and their Therapeutic Applications. Anticancer Agents Med Chem. 2021;21(7):839-860.

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