

---

**Product Data Sheet**

---

Product Name: 1-Methoxynaphthalene

Cat. No.: GC61715

**Chemical Properties**

Cas. No. 2216-69-5

SMILES COC1=C2C=CC=CC2=CC=C1Formula  $C_{11}H_{10}O$ 

M.Wt 158.2

Solubility DMSO : 100 mg/mL (632.11 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**

1-Methoxynaphthalene is used as the substrate to investigate the activity of cytochrome c peroxidase (CcP). 1-Methoxynaphthalene also can be used to synthesize prenyl naphthalen-ols[1][2].

[1]. Erman JE, et, al. Peroxygenase activity of cytochrome c peroxidase and three apolar distal heme pocket mutants: hydroxylation of 1-methoxynaphthalene. BMC Biochem. 2013 Jul 30;14:19. [2]. Shindo K, et, al. Production of novel antioxidative prenyl naphthalen-ols by combinational bioconversion with dioxygenase PhnA1A2A3A4 and prenyltransferase NphB or SCO7190. Biosci Biotechnol Biochem. 2011;75(3):505-10.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

---