

---

**Product Data Sheet**

---

Product Name: 4-Hydroxymidazolam

Cat. No.: GC63628

**Chemical Properties**

Cas. No. 59468-85-8

Formula C<sub>18</sub>H<sub>13</sub>ClFN<sub>3</sub>O M.Wt 341.77

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**

4-Hydroxymidazolam is a major metabolite of Midazolam. Midazolam is a potent benzodiazepine with sedative activities.

Midazolam is metabolized to 1'- and 4-hydroxymidazolam by CYP3A4 and CYP3A5 and is further metabolized to glucuronide conjugates by UDP-glucuronosyltransferases (UGTs) [1].

[1]. Seo KA, et al. Metabolism of 1'- and 4-hydroxymidazolam by glucuronide conjugation is largely mediated by UDP-glucuronosyltransferases 1A4, 2B4, and 2B7. Drug Metab Dispos. 2010 Nov;38(11):2007-13.

**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

---