
Product Data Sheet

Product Name: Salsolidine

Cat. No.: GC33749

Chemical Properties

Cas. No. 5784-74-7

SMILES CC1NCCC2=C1C=C(OC)C(OC)=C2Formula $C_{12}H_{17}NO_2$

M.Wt 207.27

Solubility DMSO: 50 mg/mL (241.23 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**

(±)-Salsolidine is an alkaloid that has been found in *H. articulatum*.¹ It inhibits catechol-O-methyltransferase (COMT; $K_i = 190 \text{ ?M}$).²

1. El-Shazly, A., and Wink, M. Tetrahydroisoquinoline and β -carboline alkaloids from *Haloxylon articulatum* (Cav.) Bunge (Chenopodiaceae). *Z. Naturforsch. C. J. Biosci.* 58(7-8):477-480 (2003).
2. Sanft, K., and Thomas, H. Competitive inhibition of catechol-O-methyltransferase by the tetrahydroisoquinoline alkaloids salsolidine and 1-carboxysalsoline. *Z. Naturforsch. C. J. Biosci.* 44(1-2):173-176 (1989).

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