
Product Data Sheet

Product Name: Doxepin D3 Hydrochloride

Cat. No.: GC60791

Chemical Properties

Cas. No. 347840-07-7

SMILES [2H]C(N(C)CC/C=C1C2=CC=CC=C2OCC3=CC=CC=C\13)([2H])[2H].[H]ClFormula C₁₉H₁₉D₃ClNO

M.Wt 318.86

Solubility DMSO : ≥ 100 mg/mL (313.62 mM); H₂O : ≥ 50 mg/mL
(156.81 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**

Doxepin D3 Hydrochloride is a deuterium labeled Doxepin Hydrochloride. Doxepin hydrochloride is an orally active tricyclic antidepressant. Doxepin hydrochloride is a potent and selective histamine receptor H₁ antagonist. Doxepin hydrochloride is also a potent CYP450 inhibitor and significantly inhibits CYP450 2C19 and 1A2[1][2].

[1]. Hajak, G., et al., Doxepin in the treatment of primary insomnia: a placebo-controlled, double-blind, polysomnographic study. *J Clin Psychiatry*, 2001. 62(6): p. 453-63. [2]. Gillman PK1. Tricyclic antidepressant pharmacology and therapeutic drug interactions updated. *Br J Pharmacol*. 2007 Jul;151(6):737-48.

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
