
Product Data Sheet

Product Name: Cetirizine Impurity C

Cat. No.: GC60691

Chemical Properties

Cas. No. 83881-59-8

SMILES O=C(O)COCCN1CCN(C(C2=CC=CC=C2Cl)C3=CC=CC=C3)CC1Formula $C_{21}H_{25}ClN_2O_3$ M.Wt 388.89

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**

Cetirizine Impurity C is an impurity of Cetirizine. Cetirizine, a second-generation antihistamine and the carboxylated metabolite of hydroxyzine, is a specific, orally active and long-acting histamine H1-receptor antagonist[1][2].

[1]. Shih MY, et al. Influence of cetirizine and levocetirizine on two cytokines secretion in human airway epithelial cells. Allergy Asthma Proc. 2008 Sep-Oct;29(5):480-5. [2].

Shimizu T, et al. Cetirizine, an H1-receptor antagonist, suppresses the expression of macrophage migration inhibitory factor: its potential anti-inflammatory action. Clin Exp Allergy. 2004 Jan;34(1):103-9.

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

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