

Product Data Sheet

Product Name: Pentane-1,5-diamine- 15 N 2 dihydrochloride

Cat. No.: GC80465

Chemical Properties

Cas. No. 2747-91-3

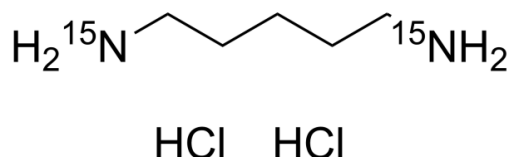
Formula $C_5H_{16}Cl_2^{15}N_2$ M.Wt 177.09

Solubility DMSO: 25 mg/mL (141.17 mM; ultrasonic and warming and heat to 60°C) Storage Store at 4°C, away from moisture

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

Pentane-1,5-diamine- 15 N 2 dihydrochloride is the 15 N 2 -labeled Pentane-1,5-diamine (dihydrochloride). Pentane-1,5-diamine dihydrochloride is a putrescine. Pentane-1,5-diamine dihydrochloride can be incorporated into lobeline, but it is not a conventional intermediate in the lysine-to-lobeline synthesis process [1].

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into

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

Product Data Sheet

drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.

References:

[1]. O'Donovan DG, et al. The biosynthesis of lobelia alkaloids. Part III. Intermediates in the biosynthesis of lobeline; biosynthesis of 8, 10-diethyl-lobelidione. J Chem Soc Perkin 1. 1975;(5):415-9. PMID: 1169249.

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