

Product Data Sheet

Product Name: Bupivacaine N-oxide hydrochloride

Cat. No.: GC79611

Chemical Properties

Cas. No. 1796927-05-3

Formula $C_{18}H_{29}ClN_2O_2$

M.Wt 340.89

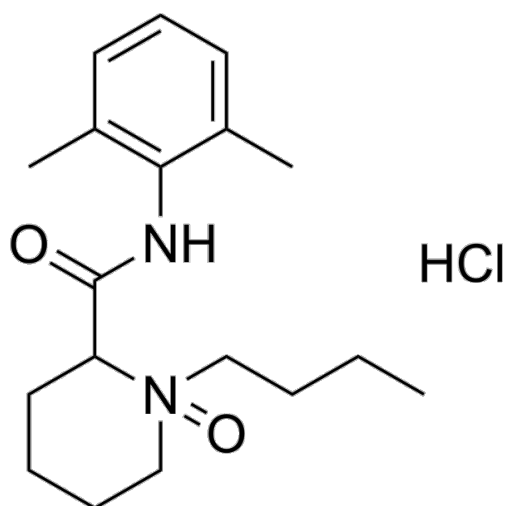
Solubility

Storage Store at room temperature, keep dry and cool

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

Bupivacaine N-oxide hydrochloride is a metabolite of Bupivacaine. Bupivacaine is a NMDA receptor inhibitor. Bupivacaine can block sodium, L-calcium, and potassium channels. Bupivacaine potently

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

blocks SCN5A channels with the IC_{50} of 69.5 μ M. Bupivacaine can be used for the research of chronic pain.

References:

[1]. Rydevik A, Bondesson U, Hedeland M. Structural elucidation of phase I and II metabolites of bupivacaine in horse urine and fungi of the *Cunninghamella* species using liquid chromatography/multi-stage mass spectrometry. *Rapid Commun Mass Spectrom*. 2012;26(11):1338-1346.

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