



LKT Laboratories, Inc.  
**Clemizole Hydrochloride**

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## Product Information

**Product ID** C4418

**CAS No.** 1163-36-6

**Chemical Name**

**Synonym** NSC46261 Hydrochloride, CID2782 Hydrochloride

**Formula** C<sub>19</sub>H<sub>20</sub>ClN<sub>3</sub> • HCl

**Formula Wt.** 362.3

**Melting Point**

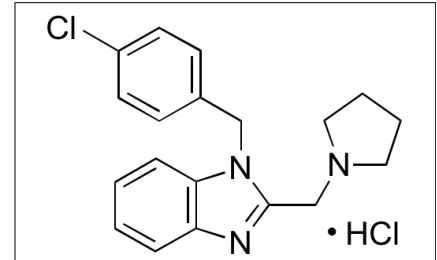
**Purity** ≥98%

**Solubility** Soluble to 20 mM in water  
and to 50 mM in DMSO.

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Clemizole is an inhibitor of transient receptor potential cation 5 (TRPC5) channels, NS4B, and histamine H1 receptors; it displays antiviral, anticonvulsant, anti-inflammatory, and anti-allergic activities. Clemizole suppresses replication of hepatitis C virus (HCV) and prevents convulsive behaviors and seizures in vivo.



**Bulk quantities available upon request**

Product ID	Size
C4418	5 mg
C4418	25 mg

**References** Richter JM, Schaefer M, Hill K. Clemizole hydrochloride is a novel and potent inhibitor of transient receptor potential channel TRPC5. *Mol Pharmacol.* 2014 Nov;86(5):514-21. PMID: 25140002.

Baraban SC, Dinday MT, Hortopan GA. Drug screening in Scn1a zebrafish mutant identifies clemizole as a potential Dravet syndrome treatment. *Nat Commun.* 2013;4:2410. PMID: 24002024.

Einav S, Sobol HD, Gehrig E, et al. The hepatitis C virus (HCV) NS4B RNA binding inhibitor clemizole is highly synergistic with HCV protease inhibitors. *J Infect Dis.* 2010 Jul 1;202(1):65-74. PMID: 20486856.

Martínez-Mir MI, Estañ L, Morales-Olivas FJ, et al. Effect of histamine and histamine analogues on human isolated myometrial strips. *Br J Pharmacol.* 1992 Oct;107(2):528-31. PMID: 1358393.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.