



LKT Laboratories, Inc.

Tianeptine

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID T3202

CAS No. 66981-73-5

Chemical Name (1)-7-((3-Chloro-6,11-dihydro-6-methyl-2,1,2-benzothiazepin-11-yl)amino)heptanoic acid S,S-dioxide

Synonym Tianeptine Acid; 7-[(3-chloro-6-methyl-5,5-dioxo-11H-benzo[*c*][2,1]benzothiazepin-11-yl)amino]heptanoic acid

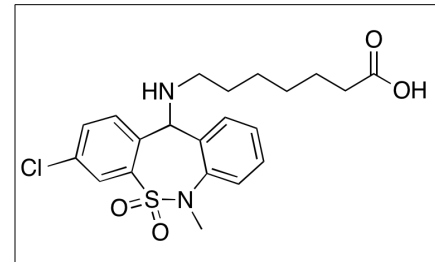
Formula C₂₁H₂₅ClN₂O₄S

Formula Wt. 436.95

Melting Point

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T3202	10 mg	\$75.30
T3202	50 mg	\$260.50

Store Temp -20° C

Ship Temp Ambient

Description Tianeptine is an agonist at μ ORs and δ ORs as well as a potentiator at D2 and D3 DA receptors. Tianeptine exhibits neuromodulatory, antidepressant, anxiolytic, analgesic, anticonvulsant, and anti-inflammatory activities, although its mechanism of action is not well understood. In vitro, tianeptine inhibits LPS-induced inflammation and activation of microglia; it also decreases pro-inflammatory cytokine release, ROS release, and NF- κ B activation. Clinically, this compound improves anxiety symptoms, neurocognitive function, and memory. Tianeptine also attenuates mechanical allodynia, an effect that may be mediated by 5-HT7 receptors.
TEST!!!!!!

References Slusarczyk J, Trojan E, Glombik K, et al. Anti-inflammatory properties of tianeptine on lipopolysaccharide-induced changes in microglial cells involve Toll-like receptor-related pathways. *J Neurochem.* 2015 Dec 7. [Epub ahead of print]. PMID: 26640965.

Yoo I, Woo JM, Lee SH, et al. Influence of anxiety symptoms on improvement of neurocognitive functions in patients with major depressive disorder: A 12-week, multicenter, randomized trial of tianeptine versus escitalopram, the CAMPION study. *J Affect Disord.* 2015 Oct 1;185:24-30. PMID: 26142691.

Lin H, Heo BH, Kim WM, et al. Antiallodynic effect of tianeptine via modulation of the 5-HT7 receptor of GABAergic interneurons in the spinal cord of neuropathic rats. *Neurosci Lett.* 2015 Jun 26;598:91-5. PMID: 25982324.

Cooper CM, Whiting DA, Cowen PJ, et al. Tianeptine in an experimental medicine model of antidepressant action. *J Psychopharmacol.* 2015 May;29(5):582-90. PMID: 25759404.

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