

Bupropion HCl, Monoamine transporter inhibitor

Catalog	Unit
TBI2462-50MG	50 mg
TBI2462-250MG	250 mg

Product Details

Formal Name: 1-(3-Chlorophenyl)-2-[(1,1-dimethylethyl)amino]-1-propanone, hydrochloride

Molecular Formula: C₁₃H₁₈ClNO • HCl

Formula Weight: 276.20

CAS Number: 31677-93-7

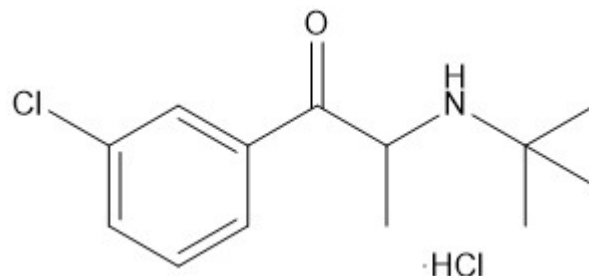
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 40 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Monoamine transporter inhibitor

Functions

Clinically useful antidepressant that inhibits monoamine transporters DAT, NET, and SERT (K_is for dopamine uptake = 2.8, 1.4, 45 μM). Also acts as a noncompetitive antagonist at nicotinic acetylcholine receptors (AChRs). At higher concentrations (50 μM), stimulates pro-inflammatory cytokines and TLR2/TLR4 and JAK2/STAT3 in human peripheral blood mononuclear cells (PBMCs).

Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.