



Chlorprothixene hydrochloride

Cat. No.:	OB0225LY-0143
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR and HPLC.
Size:	100 mg; 200 mg; 500 mg; 1 g

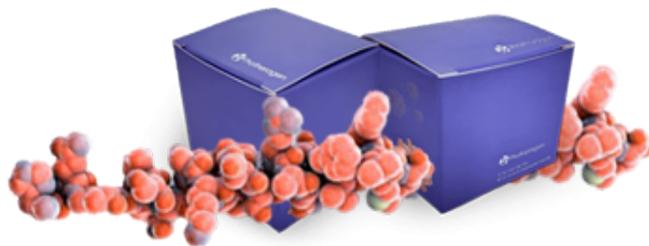
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Chlorprothixene hydrochloride is an antipsychotic drug that works primarily by blocking dopamine and certain 5-HT (5-hydroxytryptamine) receptors.
Synonym	NSC 78193; Minithixen; Truxal hydrochloride; NSC 56379; NSC 169899; Minithixen hydrochloride; 6469-93-8; Chlorprothixine; (<i>E</i>)-chlorprothixene; <i>cis</i> -Chlorprothixene; (3 <i>E</i>)-3-(2-Chloro-9 <i>H</i> -thioxanthen-9-ylidene)- <i>N</i> , <i>N</i> -dimethylpropan-1-amine; <i>alpha</i> -Chlorprothixene; 1-Propanamine, 3-(2-chloro-9 <i>H</i> -thioxanthen-9-ylidene)- <i>N</i> , <i>N</i> -dimethyl-, (3 <i>E</i>)-; 1-Propanamine, 3-(2-chloro-9 <i>H</i> -thioxanthen-9-ylidene)- <i>N</i> , <i>N</i> -dimethyl-, (<i>Z</i>)-; <i>trans</i> -Chlorprothixene
CAS No.	6469-93-8
Compound CID	667466
Formula	C ₁₈ H ₁₈ ClNS·HCl
Formula Weight	352.32

Specification

IUPAC Name	(3 <i>E</i>)-3-(2-Chlorothioxanthen-9-ylidene)- <i>N</i> , <i>N</i> -dimethylpropan-1-amine
InChI	InChI=1S/C18H18ClNS/c1-20(2)11-5-7-14-15-6-3-4-8-17(15)21-18-10-9-13(19)12-16(14)18/h3-4,6-10,12H,5,11H2,1-2H3/b14-7+
InChI Key	WSPOMRSOLSGNFJ-VGOFMYFVSA-N
SMILES string	CN(C)CC/C=C/1\C2=CC=CC=C2SC3=C1C=C(C=C3)Cl
Stability	3 years in powder form.



Storage	Storage at -20°C.
Applications	Chlorprothixene hydrochloride can be used for schizophrenia, bipolar disorder, and certain types of anxiety disorders research and high throughput drug screening.

Library Information

Targets	G protein-coupled receptors (GPCRs)
Receptors	5-HT receptor; Dopamine receptor; H1 receptor; mAChR
Pathways	Neuronal signaling; Immunology/Inflammation; GPCR/G protein; Microbiology/Virology
Plate Number	AOCL-2
Plate Location	g6
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	10 mg/mL; 28.38 mM
ALogP	5.505
HBA_Count	0
HBD_Count	0
Rotatable Bond	3