

Cyproheptadine hydrochloride sesquihydrate

Cat. No.:	OB0225LY-0135
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by LC-MS.
Size:	500 mg; 1 g; 5 g; 10 g

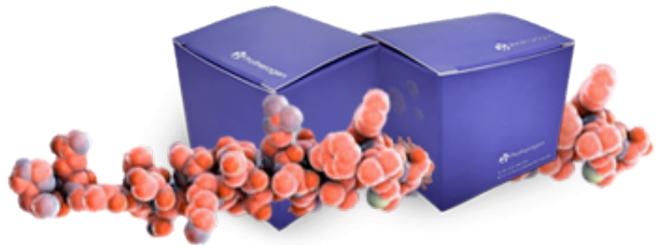
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Cyproheptadine hydrochloride sesquihydrate is an antihistamine with sedative and appetite stimulating effects.
Synonym	Peritol; Periactin hydrochloride; Cyproheptadine hydrochloride; 41354-29-4; 1-Methyl-4-(2-tricyclo[9.4.0.03,8]pentadeca-1(15),3,5,7,9,11,13-heptaenylidene)piperidine trihydrate dihydrochloride; 4-(5 <i>H</i> -Dibenzo(a,d)cyclohepten-5-ylidene)-1-methylpiperidine hydrochloride sesquihydrate; Piperidine, 4-(5 <i>H</i> -dibenzo(a,d)cyclohepten-5-ylidene)-1-methyl-, hydrochloride, sesquihydrate
CAS No.	41354-29-4
Compound CID	11954233
Formula	C ₂₁ H ₂₄ ClNO
Formula Weight	341.88

Specification

IUPAC Name	1-Methyl-4-(2-tricyclo[9.4.0.03,8]pentadeca-1(15),3,5,7,9,11,13-heptaenylidene)piperidine;trihydrate;dihydrochloride
InChI	InChI=1S/2C21H21N.2ClH.3H2O/c2*1-22-14-12-18(13-15-22)21-19-8-4-2-6-16(19)10-11-17-7-3-5-9-20(17)21;;;;;/h2*2-11H,12-15H2,1H3;2*1H;3*1H2
InChI Key	ZEAUHZSRUAMQG-UHFFFAOYSA-N
SMILES string	CN1CCC(=C2C3=CC=CC=C3C=CC4=CC=CC=C42)CC1.CN1CCC(=C2C3=CC=CC=C3C=CC4=CC=CC=C42)CC1.O.O.O.Cl.Cl



Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Cyproheptadine hydrochloride sesquihydrate can be used to study allergies, migraines and loss of appetite in children.

Library Information

Targets	G protein-coupled receptors (GPCRs); Histone methyltransferase
Receptors	5-HT ₂ receptor; Histamine receptor; SETD7; SETD9
Pathways	Neuronal signaling; GPCR/G protein; Chromatin/Epigenetic; Immunology/Inflammation
Plate Number	AOCL-2
Plate Location	f8
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	70 mg/mL; 204.75 mM
Water Max Solubility	<1 mg/mL (insoluble or slightly soluble)
Ethanol Max Solubility	20 mg/mL; 61.75 mM