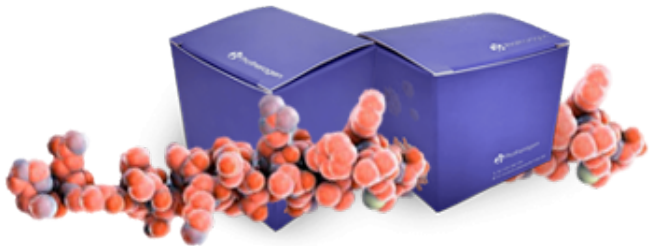
Protheragen Obesity



Chlorpropamide

Cat. No.:	OB0225WX-2586
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	50 mg; 100 mg; 1 g; 5 g

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

Product Overview

Description	Chlorpropamide is a sulfonylurea compound that inhibits Na^+/K^{+}-ATPase activity and activates a high-affinity cyclic AMP-phosphodiesterase within the liver plasma membrane.
Synonym	94-20-2; Chloropropamide; Diabinese; Chlorpropamid; Diabenese; Glucamide; Meldia n; Chlorodiabina; Chloronase; Diabeneza; Diabetoral; Adiaben; Catanil; Diabaril; Dynalase; Insulase; Melitase; Diabechlor; Diabenal; Mellinese; Millinese; Asucr ol; Glisema; Oradian; Diabet-Pages; Diamel Ex; Prodiaben; 4-chloro-*N*-(pro pylcarbamoyl)benzenesulfonamide; 1-(4-Chlorophenylsulfonyl)-3-propylurea; Chlorp ropamidum; Clorpropamida; Clorpropamide; Diabexan; 1-(p-Chlorobenzenesulfonyl)-3 -propylurea; 1-Propyl-3-(p-chlorobenzenesulfonyl)urea; *N*-(4-Chlorophenyls ulfonyl)-N'-propylurea; *N*-(p-Chlorobenzenesulfonyl)-N'-propylurea; *N-Propyl-N'-(p-chlorobenzenesulfonyl)urea; 1-(4-chlorophenyl)sulfonyl-3-propylu rea; 1-(p-Chlorophenylsulfonyl)-3-propylurea; 4-Chloro-N-((propylamino)ca rbonyl)benzenesulfonamide; 1-p-Chlorophenyl-3-(propylsulfonyl)urea; n-Propyl-N'- p-chlorophenylsulfonylcarbamide; 1-[(4-chlorobenzene)sulfonyl]-3-propylurea; 4-c hloro-N-[(propylamino)carbonyl]benzenesulfonamide; Benzenesulfonamide, 4- chloro-N-((propylamino)carbonyl)-*
CAS No.	94-20-2
Compound CID	2727
Formula	$C_{10}H_{13}ClN_2O_3S$
Formula Weight	276.74

Specification

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com

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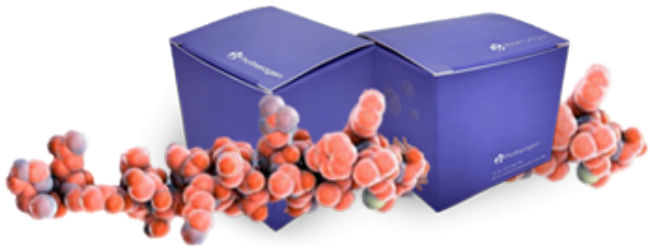

IUPAC Name	1-(4-Chlorophenyl)sulfonyl-3-propylurea
InChI	InChI=1S/C10H13ClN2O3S/c1-2-7-12-10(14)13-17(15,16)9-5-3-8(11)4-6-9/h3-6H,2,7H2,1H3,(H2,12,13,14)
InChI Key	RKWGIWYCVPQPMF-UHFFFAOYSA-N
SMILES string	CCCNC(=O)NS(=O)(=O)C1=CC=C(C=C1)Cl
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Chlorpropamide is applied in metabolic research as a first-generation sulfonylur ea to investigate the stimulation of insulin secretion and the sensitization of peripheral tissues to insulin in diabetic models.

Library Information

Target	ATPase
Receptor	ATPase
Pathways	Transmembrane transporters
Plate Number	L6700-06
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	55 mg/mL; 198.74 mM
Ethanol Max Solubility	55 mg/mL
ALogP	2.058
HBA_Count	3
HBD_Count	2
Rotatable Bond	4

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