



Product Information

Epoxide hydrolase inhibitor, 1-Cyclohexyl-3-dodecyl urea, Purity $\geq 98\%$

Cat. No.: X24-09-YM647

Size: 5 mg; 10 mg; 50 mg; 100 mg

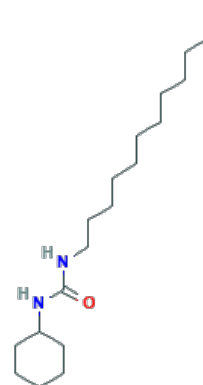
CAS Number: 402939-18-8

Compound CID: 4437430

Synonym: 402939-18-8; CDU; N-Cyclohexyl-N-dodecyl urea; NCND;

1-Cyclohexyl-3-dodecylurea; Epoxide hydrolase inhibitor

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



Product Information

Description	1-Cyclohexyl-3-dodecyl urea is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting epoxide hydrolase. The molecular weight of the compound is 310.52, and its molecular formula is $C_{19}H_{38}N_2O$.
Molecular Weight	310.52
Molecular Formula	$C_{19}H_{38}N_2O$
IUPAC Name	1-Cyclohexyl-3-dodecylurea
InChI	InChI=1S/C19H38N2O/c1-2-3-4-5-6-7-8-9-10-14-17-20-19(22)21-18-15-12-11-13-16-18/h18H,2-17H2,1H3,(H2,20,21,22)
InChI Key	POEWFBSYPFIYSK-UHFFFAOYSA-N
Canonical SMILES	CCCCCCCCCCCCNC(=O)NC1CCCCC1
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	1-Cyclohexyl-3-dodecyl urea can be studied extensively for its potential therapeutic applications in the treatment of cardiovascular diseases and metabolic disorders.
Storage	Store at -20°C , and keep desiccated.