



Product Information

Lipase inhibitor, Endothelial lipase inhibitor-1, Purity ≥98%

Cat. No.: X24-09-YM408

Size: 1 mg; 5 mg; 10 mg; 20 mg

CAS Number: 1466427-02-0

Compound CID: 117926774

Synonym: 1466427-02-0;

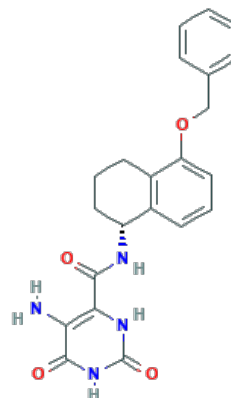
5-Amino-2,4-dioxo-*N*-[(1*R*

)-5-phenylmethoxy-1,2,3,4-tetrahydronaphthalen-1-yl]-1*H*-pyrimidine-6-carboxamide;

5-Amino-2,4-dioxo-*N*-[(1*R*

)-5-phenylmethoxy-1,2,3,4-tetrahydronaphthalen-1-yl]-1*H*-pyrimidine-6-carboxamide;

Lipase inhibitor



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

Product Information

Description	Endothelial lipase inhibitor-1 is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting lipase. The molecular weight of the compound is 406.43, and its molecular formula is C ₂₂ H ₂₂ N ₄ O ₄ .
Molecular Weight	406.43
Molecular Formula	C ₂₂ H ₂₂ N ₄ O ₄
IUPAC Name	5-Amino-2,4-dioxo- <i>N</i> -[(1 <i>R</i>)-5-phenylmethoxy-1,2,3,4-tetrahydronaphthalen-1-yl]-1 <i>H</i> -pyrimidine-6-carboxamide
InChI	InChI=1S/C22H22N4O4/c23-18-19(25-22(29)26-20(18)27)21(28)24-16-10-4-9-15-14(16)8-5-11-17(15)30-12-13-6-2-1-3-7-13/h1-3,5-8,11,16H,4,9-10,12,23H2,(H,24,28)(H2,25,26,27,29)/t16-m/s1
InChI Key	DZBXQBHHXZDUJS-MRXNPFEDSA-N
Canonical SMILES	C1CC(C2=C(C1)C(=CC=C2)OCC3=CC=CC=C3)NC(=O)C4=C(C(=O)NC(=O)N4)N
Form	Lyophilized powder
Purity	≥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

Endothelial lipase inhibitor-1 can be studied extensively for its potential therapeutic applications in the treatment of dyslipidemia and cardiovascular diseases by reducing lipid levels and improving endothelial function.

Storage

Store at -20°C, and keep desiccated.
