

Product Information

CI 976, Purity ≥98%

Cat. No.: X24-09-YM1405

Size: 5 mg; 10 mg; 20 mg; 50 mg

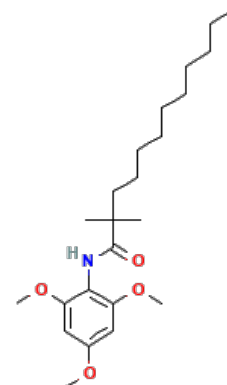
CAS Number: 114289-47-3

Compound CID: 122327

Synonym: 114289-47-3; PD 128042; PD128042; PD-128042; CI976; CI-976;

2,2-Dimethyl-*N*-(2,4,6-trimethoxyphenyl)dodecanamide

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



Product Information

Description	CI 976 is a trimethoxy fatty acid anilide inhibitor of liver and intestinal acyl-coenzyme A cholesterol acyltransferase (ACAT) and sterol O-acyltransferase (SOAT). The molecular weight of the compound is 393.57, and its molecular formula is C ₂₃ H ₃₉ NO ₄ .
Molecular Weight	393.57
Molecular Formula	C ₂₃ H ₃₉ NO ₄
IUPAC Name	2,2-Dimethyl- <i>N</i> -(2,4,6-trimethoxyphenyl)dodecanamide
InChI	InChI=1S/C23H39NO4/c1-7-8-9-10-11-12-13-14-15-23(2,3)22(25)24-21-19(27-5)16-18(26-4)17-20(21)28-6/h16-17H,7-15H2,1-6H3,(H,24,25)
InChI Key	WAFNZAURAWBNDZ-UHFFFAOYSA-N
Canonical SMILES	CCCCCCCCCCC(C)(C)C(=O)NC1=C(C=C(C=C1OC)OC)OC
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	CI 976 can be studied extensively for its potential therapeutic applications in the treatment of heart failure and pulmonary hypertension.
Storage	Store at -20°C, and keep desiccated.