

Product Information

SphK inhibitor Peretinoin, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ819

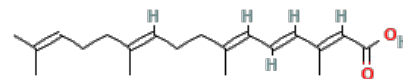
Size: 5 mg; 10 mg; 50 mg; 100 mg

MDL: MFCD01742209

CAS Number: 81485-25-8

Compound CID: 6437836

Synonym: 81485-25-8; SphK inhibitor; Peretinoin; NIK333



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

Product Information

| | |
|--------------------------|--|
| Description | Peretinoin targets and inhibits the activity of sphingosine kinase enzymes, which play a crucial role in the sphingolipid metabolic pathway. |
| Molecular Weight | 302.45 |
| Molecular Formula | C ₂₀ H ₃₀ O ₂ |
| IUPAC Name | (2E,4E,6E,10E)-3,7,11,15-tetramethylhexadeca-2,4,6,10,14-pentaenoic acid |
| InChI | InChI=1S/C20H30O2/c1-16(2)9-6-10-17(3)11-7-12-18(4)13-8-14-19(5)15-20(21)22/h8-9,11,13-15H,6-7,10,12H2,1-5H3,(H,21,22)/b14-8+,17-11+,18-13+,19-15+ |
| InChI Key | UUBHZHZSIKRIV-KCXSWJSSA-N |
| Canonical SMILES | CC(=CCCC(=CCCC(=CC=CC(=CC(=O)O)C)C)C)C |
| Isomeric SMILES | CC(=CCC/C(=C/CC/C(=C/C=C/C(=C/C(=O)O)/C)/C)/C)C |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| Quality Level | Research grade |
| Applications | Peretinoin inhibits SphK, aiding research into its effects on lipid metabolism and potential uses in treating liver diseases and cancer. |
| Storage | Store at -20°C, and keep desiccated. |