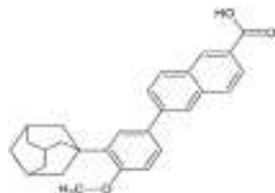


Adapalene

ALTERNATE NAME: 6-(4-methoxy-3-tricyclo[3.3.1.1^{3,7}]dec-1-ylphenyl)-2-naphthalenecarboxylic acid
CD271

CATALOG #: B2733-10 10 mg
B2733-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₈H₂₈O₃

MOLECULAR WEIGHT: 412.53

CAS NUMBER: 106685-40-9

APPEARANCE: White to light yellow solid

PURITY: ≥98% by HPLC

SOLUBILITY: ~5 mg/ml DMSO

DESCRIPTION: Adapalene is a synthetic Retinoic acid analog that acts as a RAR β and RAR γ agonist (AC₅₀ values are 2.2, 9.3, 22 and > 1000 nM for RAR β , RAR γ , RAR α and RXR α receptors respectively). Inhibits proliferation and induces apoptosis in colorectal cancer cells in vitro. Adapalene (10 μ M) completely inhibits the activity of soybean 15-lipoxygenase (15-LOX) in an enzyme assay and inhibits the 5- and 15-LOX pathways in human blood polymorphonuclear leukocytes (PMNs).

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

CD437 (2636)
9-Cis-Retinoic acid (B2443)
Retinoic acid (2218)
AM580 (2635)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*