

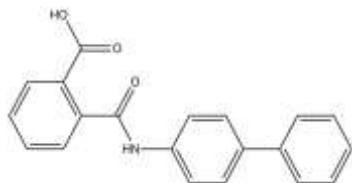
Kartogenin

ALTERNATE NAME: 2-([1,1'-biphenyl]-4-ylcarbamoyl)benzoic acid

CATALOG #: 2066-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₁₅NO₃

MOLECULAR WEIGHT: 317.34

CAS NUMBER: 4727-31-5

APPEARANCE: White solid

SOLUBILITY: DMSO (~ 60 mg/ml) or EtOH (~ 14 mg/ml)

PURITY: ≥99% by TLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Cell-permeable. Kartogenin promotes the selective differentiation of multipotent mesenchymal stem cells into chondrocytes (EC₅₀ = 100 nM). Displays chondroprotective effects *in vitro* and is efficacious in two animal models of osteoarthritis.

REFERENCE: Johnson, K., et al. (2012). Science 336, 717-721.

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

RELATED PRODUCTS:

- Compound 1 (Cat. No. 1688-1)
- Cyclopamine (Cat. No. 1578-5)
- Cyclopamine-KAAD (Cat. No. 1910-50)
- Cyclosporine A (Cat. No. 1522-100, 1G)
- DAPT (Cat. No. 1855-5)
- Dexamethasone (Cat. No. 1042-1G, 10G)
- Forskolin, *Coleus Forskohlii* (Cat. No. 1531-5)
- GANT58 (Cat. No. 1812-5, 25)
- GANT61 (Cat. No. 1892-5)
- GDC-0449 (Cat. No. 1890-5, 25)
- Geldanamycin (Cat. No. 1564-1,5)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- JK 184 (Cat. No. 1726-1)
- Kenpaullone (Cat. No. 1904-1)
- Neuropathiazol (Cat. No. 1903-5, 25)
- Purmorphamine (Cat. No. 1672-5)
- Rapamycin (Cat. No. 1568-5,50)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Reversine (Cat. No. 1851-1, 5)
- SB-431542 (Cat. No. 1674-1)
- EZSolution™ SB-431542 (Cat. No. 1872-1)
- Shz-1 (Cat. No. 1915-1,5)
- Sodium Butyrate (Cat. No. 1609-1000)
- Stauprimide (Cat. No. 1743-500)
- Trichostatin A (Cat. No. 1606-1)
- U0126 (Cat. No. 1668-5)
- WHIP-131 (Cat. No. 1853-5, 25)

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