



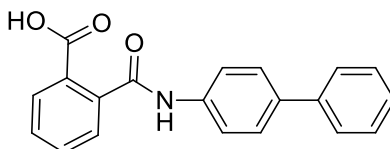
Catalog # 10-1372

Kartogenin

CAS# 4727-31-5

2-[(1,1'-Biphenyl)-4-ylcarbamoyl]benzoic acid

Lot # X104577



Promotes the selective differentiation of multipotent mesenchymal stem cells into chondrocytes ($EC_{50} = 100$ nM). Displays chondroprotective effects *in vitro* and is efficacious in two animal models of osteoarthritis. Cell permeable.

1) Johnson *et al.* (2012), *A stem cell-based approach to cartilage repair*, *Science*, **336** 717

PHYSICAL DATA

Molecular Weight: 317.35
Molecular Formula: $C_{20}H_{15}NO_3$
Purity: 99% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 60 mg/ml) or Ethanol (up to 14 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at $-20^{\circ}C$ for up to 3 months.

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