

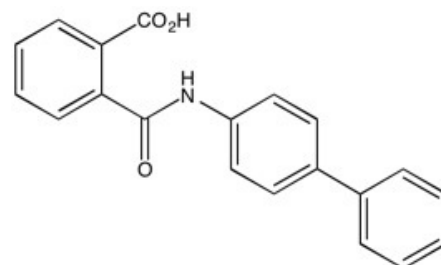
## Kartogenin, Induces chondrocyte differentiation

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Catalog	Unit
TBI1372-5MG	5 mg
TBI1372-25MG	25 mg

### Product Details

**Formal Name:** 2-[(1,1'-Biphenyl)-4-ylcarbamoyl]benzoic acid  
**Molecular Formula:** C<sub>20</sub>H<sub>15</sub>NO<sub>3</sub>  
**Formula Weight:** 317.35  
**CAS Number:** 4727-31-5  
**Purity:** >98%  
**Formulation:** powder  
**Solubility:** Soluble in DMSO (up to 60 mg/ml) or in Ethanol (up to 14 mg/ml).  
**Storage:** RT  
**Stability:** ≥ 1 year.



### Applications

Induces chondrocyte differentiation

### Functions

Promotes the selective differentiation of multipotent mesenchymal stem cells into chondrocytes (EC<sub>50</sub> = 100 nM). Displays chondroprotective effects in vitro and is efficacious in two animal models of osteoarthritis. Cell permeable.

### Application Procedures

First dissolved in DMSO (up to 60 mg/ml) or in Ethanol (up to 14 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

**For research use only.**