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Catalog	Unit
TBI2159-5MG	5 mg
TBI2159-25MG	25 mg

### Product Details

**Formal Name:** 2-(2-Amino-3-methoxyphenyl)-4H-1-benzopyran-4-one

**Alternate Names:** 2'-Amino-3'-methoxyflavone

**Molecular Formula:** C<sub>16</sub>H<sub>13</sub>NO<sub>3</sub>

**Formula Weight:** 267.29

**CAS Number:** 167869-21-8

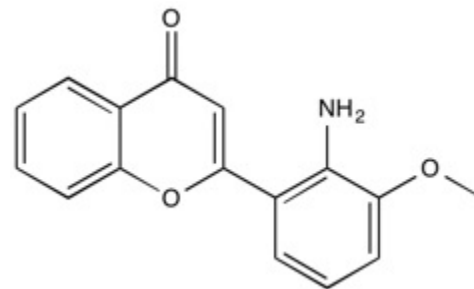
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 6 mg/ml)

**Storage:** RT

**Stability:** ≥ 2 years.



### Applications

MEK inhibitor

### Functions

Inhibitor of mitogen-activated protein kinase kinase (MKK / MEK). Acts via binding to the inactivated form of MEK, preventing its phosphorylation by cRAF or MEK kinase (IC<sub>50</sub>=2-7μM). Accelerates differentiation of RAW264.7 cells into osteoclast-like cells. Mimics BMP4 in supporting self renewal of embryonic stem cells.

### Application Procedures

First dissolved in DMSO (up to 6 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

**For research use only.**