

## 7,8-Dihydroxyflavone, TrkB agonist/neurotrophic

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Catalog	Unit
TBI1174-100MG	100 mg
TBI1174-500MG	500 mg

### Product Details

**Formal Name:** 7,8-Dihydroxy-2-phenyl-4H-1-benzopyran-4-one

**Molecular Formula:** C<sub>15</sub>H<sub>10</sub>O<sub>4</sub>

**Formula Weight:** 254.25

**CAS Number:** 38183-03-8

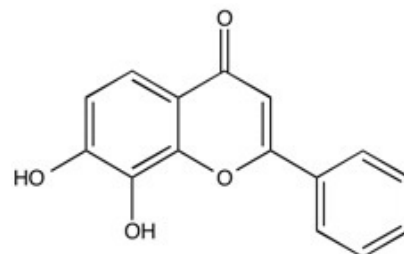
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 6 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

TrkB agonist/neurotrophic

### Functions

A selective TrkB agonist (K<sub>d</sub>=320 nM) with potent neurotrophic activity. Significantly improves motor deficits, ameliorates brain atrophy and extends survival in the well-characterized N171-82Q Huntington's disease mouse model. Post-traumatic brain injury-treatment promotes neurogenesis in the hippocampus in a mouse model. Improves motor performance and motor neuronal survival in an ALS mouse model.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 6 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 week.

**For research use only.**