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Catalog	Unit
TBI3442-5MG	5 mg
TBI3442-25MG	25 mg

### Product Details

**Formal Name:** 2-Acetylnaphtho[2,3-b]furan-4,9-dione

**Alternate Names:** BBI608

**Molecular Formula:** C<sub>14</sub>H<sub>8</sub>O<sub>4</sub>

**Formula Weight:** 240.21

**CAS Number:** 83280-65-3

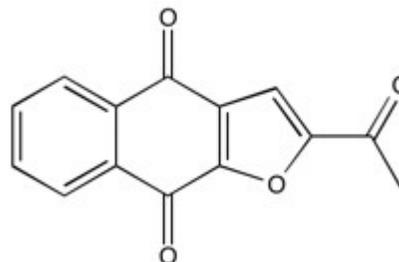
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

STAT3 inhibitor; Inhibitor of cancer cell stemness

### Functions

Inhibits gene transcription driven by STAT3. Inhibits cancer cell stemness gene expression and blocks spherogenesis of stemness-high cancer cells isolated from a variety of cancer types. Effective antitumor agent as a monotherapy or in combination with other agents such as taxol in mouse models. Clinical trials have demonstrated encouraging anti-tumor activity with the potential to suppress metastasis and prevent relapse in patients with various types of cancer. Overcomes cisplatin resistance in non-small cell lung cancer.

### Application Procedures

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

**For research use only.**