

Catalog	Unit
TBI1557 - 10MG	10 mg
TBI1557 - 50MG	50 mg

### Product Details

**Formal Name:** 2-(3,2-Dimethoxyphenyl)-4H-naphtho[1,2-b]pyran-4-one

**Alternate Names:** 3',4'-Dimethoxy- $\alpha$ -naphthoflavone

**Molecular Formula:** C<sub>21</sub>H<sub>16</sub>O<sub>4</sub>

**Formula Weight:** 332.45

**CAS Number:** 14756-24-2

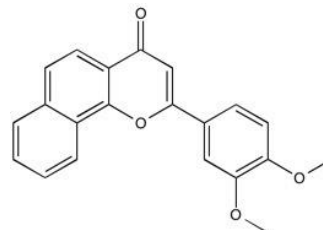
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 1.5 mg/ml)

**Storage:** -20°C

**Stability:**  $\geq$  2 years.



### Applications

AhR receptor modulator

### Functions

DiMNF (14756-24-2) is a selective aryl hydrocarbon receptor (AHR) modulator (SAhRM). It exhibits antiinflammatory activity including suppression of cytokine-mediated acute phase genes through dissociation of non-dioxin-response element (DRE) AHR activity from DRE-dependent xenobiotic gene expression. DiMNF represses the cytokine-mediated induction of CD55 and therefore may have therapeutic potential in regulating the immune response to tumor formation. Represses estrogen-inducible transcription.

### Application Procedures

First dissolved in DMSO (up to 1.5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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