

## Damnacanthal, p56 Lck inhibitor

Catalog	Unit
TBI2516- 1MG	1 mg
TBI2516- 5MG	5 mg

### Product Details

**Formal Name:** 9,10-Dihydroxy-3-hydroxy-1-methoxy-9,10-dioxo-2-anthracenecarboxaldehyde

**Molecular Formula:** C<sub>16</sub>H<sub>10</sub>O<sub>5</sub>

**Formula Weight:** 282.25

**CAS Number:** 477-84-9

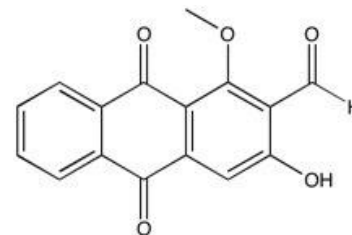
**Purity:** 98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 7 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

p56 Lck inhibitor

### Functions

Damnacanthal (477-84-9) is a potent inhibitor of p56lck tyrosine kinase activity (IC<sub>50</sub> = 17 nM for inhibition of autophosphorylation). Displays 7- to 20-fold selectivity over p59fyn and p60src tyrosine kinases and > 40-fold to 100-fold selectivity over other kinases. Mobilizes intracellular Ca<sup>2+</sup> in dermal fibroblasts. Inhibits LIM-kinase, impairing cell migration and invasion. A potent inhibitor of angiogenesis. Inhibits mast cell activation.

### Application Procedures

First dissolved in DMSO (7 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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