

Catalog	Unit
TBI1563- 1MG	1 mg
TBI1563- 5MG	5 mg

### Product Details

**Formal Name:** 3-[8-(Aminomethyl)-6,7,8,9-tetrahydropyrido[1,2-a]indol-10-yl]-4-(1-methylindol-3-yl)pyrrol-2,5-dione hydrochloride

**Alternate Names:** BIM X, Bisindolylmaleimide X

**Molecular Formula:** C<sub>26</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>

**Formula Weight:** 460.96

**CAS Number:** 145317-11-9

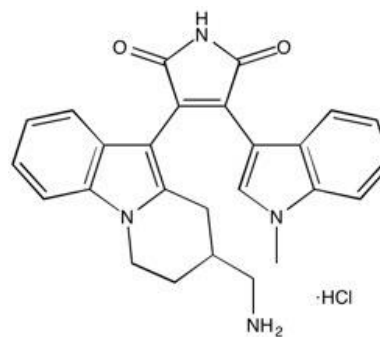
**Purity:** 98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

PKC inhibitor

### Functions

Ro 31-8425 (145317-11-9) is a selective, reversible, ATP-competitive inhibitor of protein kinase C. Inhibits PKC $\alpha$ ,  $\beta$ 1,  $\beta$ 2,  $\gamma$  and  $\epsilon$ , IC<sub>50</sub> = 8, 8, 14,13 and 39 nM respectively. Extremely useful tool for probing PKC-dependent physiology or signaling pathways. Increases MSC adhesion to an ICAM-1 coated substrate in vitro and enables targeted delivery of systematically administered MSCs to inflamed sites in vivo in a CD11a-dependent manner. Cell permeable.

### Application Procedures

First dissolved in DMSO (10 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

**For research use only.**