

Catalog	Unit
TBI5635-100UG	100 ug
TBI5635-500UG	500 ug

Product Details

Formal Name: Fermentation product from *Cladisporium cladosporioides*

Alternate Names: UCN-1028C; PKF115-584

Molecular Formula: C₄₄H₃₈O₁₄

Formula Weight: 790.80

CAS Number: 121263-19-2

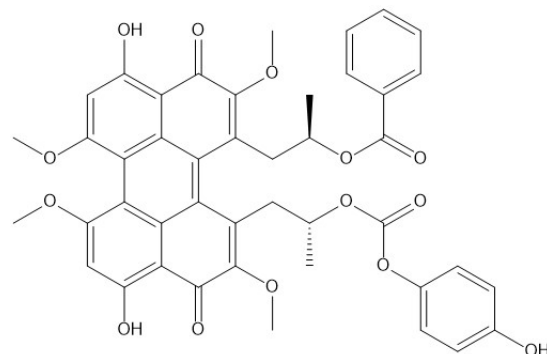
Purity: >95%

Formulation: powder

Solubility: Soluble in DMSO (10 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Protein Kinase C inhibitor

Functions

A potent and specific inhibitor of protein kinase C (PKC, IC₅₀ = 50 nM). Inhibition of PKC is light dependent and is competitive with the diacylglycerol / phorbol ester binding site. Calphostin C competes with the diacylglycerol / phorbol ester binding site in other proteins such as Munc13-1. Reverses oxycodone-induced tolerance to respiratory depression.

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 3 months.

For research use only.