

Go 6983

Catalog No: tcsc2433



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg

Size: 500mg



Specifications

CAS No:

133053-19-7

Formula:

$C_{26}H_{26}N_4O_3$

Pathway:

TGF-beta/Smad;Epigenetics

Target:

PKC;PKC

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 34 mg/mL (76.83 mM)

Alternative Names:

Gö 6983;Goe 6983

Observed Molecular Weight:

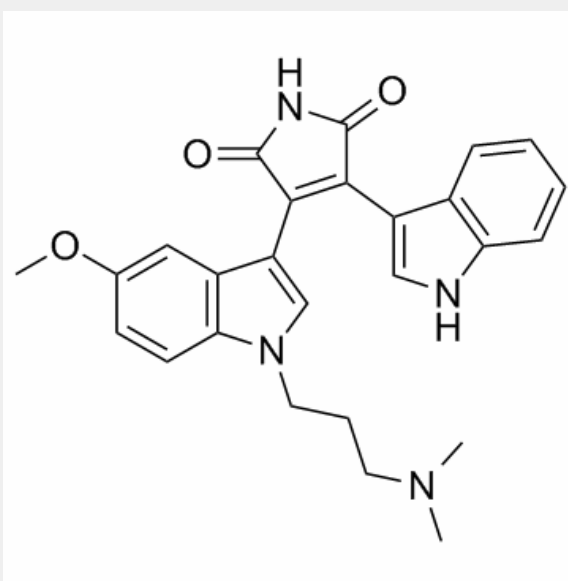
442.51

Product Description

Go 6983 is a pan-PKC inhibitor against for **PKC α** , **PKC β** , **PKC γ** , **PKC δ** and **PKC ζ** with **IC₅₀** of 7 nM, 7 nM, 6 nM, 10 nM and 60 nM, respectively.

IC50 & Target: IC50: 7 nM (PKC α), 7 nM (PKC β), 6 nM (PKC γ), 10 nM (PKC δ), 60 nM (PKC ζ)

In Vitro: Go 6983 inhibits PKC μ with IC₅₀ of 20 μ M, and the pther PKC isoenzymes can be suppressed by Go 6983 with IC₅₀ values from 7 to 60 nM^[1]. Go 6983 (100 nM) significantly reduces PMN adherence to the endothelium and infiltration into the myocardium compared with I/R + PMN hearts, and significantly inhibits superoxide release from PMNs by 90 +/- 2% in rat hearts^[2]. Go 6983 (200 nM) has a reduced cardioprotective effect compared with the cardioprotective Go 6983 concentrations (50 and 100 nM) despite inhibiting PMN superoxide release by 99%^[3].



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