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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

Research Use Only

Compound Name

Go 6983

Catalog Number

SM20

Alternative Names

Goe 6983, 1H-Pyrrole-2,5-dione, 3-[1-[3-(dimethylamino)propyl]-5-methoxy-1H-indol-3-yl]-4-(1H-indol-3-yl)-1H-pyrrole-2,5-dione

Activity

Go 6983 is a protein kinase C (PKC) inhibitor for PKC α , PKC β , PKC γ , PKC δ and PKC ζ . This compound does not effectively inhibit PKC μ and therefore can be used to differentiate PKC μ from other isoforms.

Effect

Go 6983 inhibits intracellular Ca²⁺ accumulation, suggesting a mechanism for its vasodilator properties. The inhibition of PKC signaling is an efficient strategy to establish and maintain pluripotent rESCs and to facilitate reprogramming of rat embryonic fibroblasts to rat induced pluripotent stem cells.

Purity

>98%

CAS

133053-19-7

Formula

C₂₆H₂₆N₄O₃

Molecular Weight

442.51

Solubility

DMSO

Stability

Stable at -20 °C. Keep away from direct sunlight.

References

1. Young, LG., et al. 2005. Cardiovasc Drug Rev. 23(3): 255-272. PMID: 16252018
2. Chen, J., et al. 2005. Mol Pharmacol. 67(1): 152-162. PMID: 15496505
3. Rajendran, G., et al. 2013. J Biol Chem. 288(34): 24351-24362. PMID: 23846691