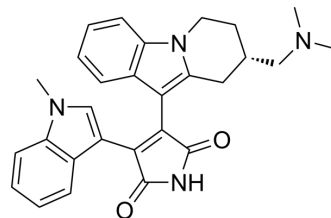


(S)-Ro 32-0432 free base

Cat. No.:	HY-108601
CAS No.:	151342-35-7
Molecular Formula:	C ₂₈ H ₂₈ N ₄ O ₂
Molecular Weight:	452.55
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(S)-Ro 32-0432 free base is a potent, selective, ATP-competitive and orally active PKC inhibitor. The IC₅₀ values of (S)-Ro 32-0432 free base for PKC α , PKC β I, PKC β II, PKC γ and PKC ϵ are 9.3 nM, 28 nM, 30 nM, 36.5 nM and 108.3 nM, respectively. (S)-Ro 32-0432 free base is also a selective G protein-coupled receptor kinase 5 (GRK5) inhibitor. (S)-Ro 32-0432 free base prevents T-cell activation and has the potential for chronic inflammatory and autoimmune diseases research^{[1][2]}.

REFERENCES

- [1]. A M Birchall, et al. Ro 32-0432, a Selective and Orally Active Inhibitor of Protein Kinase C Prevents T-cell Activation. J Pharmacol Exp Ther. 1994 Feb;268(2):922-9.
- [2]. Thakur Gurjeet Singh, et al. Ro 32-0432 Attenuates Mecamylamine-Precipitated Nicotine Withdrawal Syndrome in Mice. Naunyn Schmiedebergs Arch Pharmacol. 2013 Mar;386(3):197-204.

Caution: Product has not been fully validated for medical applications. For research use only.

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