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# **DATASHEET**

Ro 32-0432 hydrochloride

#### **Product overview**

Name Ro 32-0432 hydrochloride

Cat No HB4820 Biological action Inhibitor Purity >98%

**Description** Potent, selective PKC inhibitor. GRK inhibitor.

## **Biological Data**

**Biological description** Potent and selective protein kinase C (PKC) inhibitor (IC<sub>50</sub> = 21 nM). Selective for PKC- $\alpha$  over PKC- $\beta$ <sub>I</sub>,

PKC- $β_{II}$ , PKC-γ and PKC-ε (IC $_{50}$  values are 9, 28, 31, 37 and 108 nM respectively). Also a GRK inhibitor (IC $_{50}$  values are 29, 3.6 and 16μM respectively). Inhibits T cell proliferation, interleukin-2 (IL-2)

secretion and IL-2 receptor expression. Cell permeable.

### **Solubility & Handling**

**Solubility overview** Soluble in DMSO or methanol. **Storage instructions** -20 °C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

#### **Chemical Data**

Molecular Weight Chemical structure 452.5

N
N
N
CH3
CH3

Molecular Formula CAS Number InChiKey

C<sub>28</sub>H<sub>28</sub>N<sub>4</sub>O<sub>2</sub>.HCl 145333-02-4

HSPRASOZRZDELU-UHFFFAOYSA-N