

Product Data Sheet

Product Name: K252b
Cat. No.: GC43993

Chemical Properties

Cas. No. 99570-78-2

SMILES O[C@]1(C(O)=O)[C@](O[C@@]2([H])C1)(C)N3C4=CC=CC=C4C5=C3C(N2C6=CC=C C=C67)=C7C8=C5CNC8=O

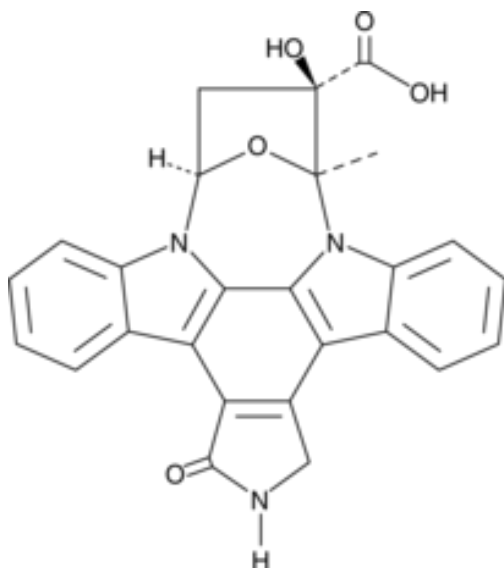
Formula C₂₆H₁₉N₃O₅ M.Wt 453.5

Solubility Methanol: 2 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

K252b is an indolocarbazole isolated from the actinomycete *Nocardiosis*, first described as an inhibitor of protein kinase C. However, as this compound does not freely pass through the cell membrane, it is used to inhibit extracellular kinases (ectokinases) of cells in culture. K252b inhibits receptor-mediated degranulation from basophil-like RBL-2H3 cells (IC₅₀ = 0.5 µg/ml) and human

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

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basophils. This extracellular inhibitor is also used in comparison studies with the closely related, cell-permeable inhibitor K252a, particularly in studies of neuronal differentiation.

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