K252b
Item No. 11339

CAS Registry No.: 99570-78-2
Formal Name: (9S,10R,12R)-2,3,9,10,11,12-hexahydro-10-hydroxy-9-methyl-1-oxo-9,12-epoxy-1H-diindolo[1,2,3-fg;3',2',1'-kl]pyrrolo[3,4-c][1,6]benzodiazocine-10-carboxylic acid
MF: C_{26}H_{19}N_{3}O_{5}
FW: 453.5
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max} 231, 250, 291, 336, 351, 368 nm

Laboratory Procedures
For long term storage, we suggest that K252b be stored as supplied at -20°C. It should be stable for at least two years. K252b is supplied as a crystalline solid. A stock solution may be made by dissolving the K252b in the solvent of choice. K252b is soluble in methanol. The solubility of K252b in methanol is approximately 2 mg/ml.

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 (IC_{50} = 0.5 μg/ml) and human basophils. This extracellular inhibitor is also used in comparison studies with the closely related, cell-permeable inhibitor K252a, particularly in studies of neuronal differentiation.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/11339