Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

Dock5 Inhibitor, C21 - CAS 54129-15-6 - Calbiochem

Art. ID SAF-5339820001

Unit EA

Description

A cell-permeable, bioavailable, non-toxic benzenesulfonamide compound that directly blocks Dock5-mediated Rac activation (kcat/KM = 7.9 x 104 & 9.5 x 104 M-1s-1 for Rac1 & Rac2 by Dock5-DHR2, respectively) with selectivity over RhoA and Cdc42. At higher concentrations, affects Dock1 and Dock2 guanine nucleotide exchange factor activity. Shown to reversibly perturb podosome organization and inhibit osteoclastic bone degradation in a dose-dependent manner. Efficiently prevents both arthritis and metastasis-induced bone loss while preserving bone formation in several osteolytic disease mouse model (25 mg/kg, i.p. or i.v., 5 days a week for 4 weeks). Unlike alendronate (Cat. No. 126855), C21 does not impair bone formation., A cell-permeable, bioavailable, non-toxic benzenesulfonamide compound that directly blocks Dock5-mediated Rac activation (kcat/KM = 7.9 x 104 & 9.5 x 104 M-1s-1 for Rac1 & Rac2 by Dock5-DHR2, respectively) with selectivity over RhoA and Cdc42. At higher concentrations, affects Dock1 and Dock2 guanine nucleotide exchange factor activity. Shown to reversibly perturb podosome organization and inhibit osteoclastic bone degradation in a dose-dependent manner. Efficiently prevents both arthritis and metastasis-induced bone loss while preserving bone formation in several osteolytic disease mouse model (25 mg/kg, i.p. or i.v., 5 days a week for 4 weeks). Unlike alendronate (Cat. No. 126855), C21 does not impair bone formation.Please note that the molecular weight for this compound is batch-specific due to variable water content. Please refer to the vial label or the certificate of analysis for the batch-specific molecular weight. The molecular weight provided represents the baseline molecular weight without water.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Dock5 Inhibitor, C21	[54129-15-6]				