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

OSC Inhibitor, Ro 48-8071 - CAS 189197-69-1 - Calbiochem The OSC Inhibitor, Ro 48-8071, also referenced under CAS 189197-69-1, controls the biological activity of 2,3-oxidosqualene:lanosterol cyclase activity (OSC).

Art. ID	SAF-499635-10MG
Unit	1 x 10 mg
Deliverydetails	No Dangerous Good

Description

An orally bioavailable benzofuranylallylamine compound that acts as a potent, active site targeting, competitive and reversible inhibitor of 2,3-oxidosqualene:lanosterol cyclase activity (OSC, IC50 ~6.5 nM against mammalian) and reduces cholesterol synthesis (IC50 ~1.5 nM in HepG2 cells) with minimal buildup of both dioxidosqualene and monooxidosqualene. Downregulates 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) reductase mRNA and synthesis, and exerts less adverse effects in animal models than Statins. Shown to preferentially enhance the DNA-binding affinity of mutant p53 and arrest the growth of human breast cancer cells (IC50 ~10 microM)., An orally bioavailable benzofuranylallylamine compound that acts as a potent, active site targeting, competitive and reversible inhibitor of 2,3-oxidosqualene:lanosterol cyclase activity (OSC, IC50 ~ 6.5 nM against mammalian) and reduces cholesterol synthesis (IC50 ~ 1.5 nM in HepG2 cells) with minimal buildup of both dioxidosqualene and monooxidosqualene. Downregulates 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) reductase mRNA and synthesis, and exerts less adverse effects in animal models than Statins. Shown to preferentially enhance the DNA-binding affinity of mutant p53 and arrest the growth of human breast cancer cells (IC50 ~ 10 microM).

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Ro 48-8071 Fumarate	[189197-69-1]				