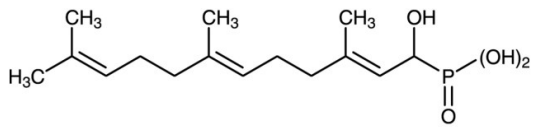
α-Hydroxyfarnesylphosphonic acid

Farnesyltransferase inhibitor

Potent inhibitor of farnesyltransferase in isolated enzyme assays (IC_{50}=30 nM) and in whole cells. Inhibition of farnesyltransferase is selective over geranylgeranyltransferase I and II (IC_{50}=35.8 μM and 67 μM respectively). α-Hydroxyfarnesylphosphonic acid inhibited (1 μM) Ras processing in Ha-ras-transformed NIH 3T3 fibroblasts.

Citations: 3 View Online »

Manuals, SDS & CofA View Online »


CH3
CH3
CH3
OH
H3C
P
(OH)2
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C.
Handling	Do not evaporate to dryness. Compound decomposes out of solution.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Liquid.
CAS	140633-12-1
Couple Target	Farnesyltransferase
Couple Type	Inhibitor
Formula	$C_{15}H_{27}O_4P$
Formulation	Solution in ethanol.
MW	302.4
Purity	≥98% (TLC)
Source	Synthetic.

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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