Lavendustin A

EGFR inhibitor

Cell permeable tyrosine kinase inhibitor with little effect on cAMP-dependent protein kinase (PKA) or protein kinase C (PKC). Potent and selective inhibitor of the EGF receptor tyrosine kinase (IC_{50}=11nM). Binds to a site on the kinase which is distinct from the ATP and peptide substrate binding sites. Inhibits EGF-induced proliferation of cultured human myometrial smooth muscle cells and suppresses VEGF-induced angiogenesis in rats. Effective at 10μM in cultured leech neurons. Also inhibits NMDA-stimulated cGMP production.

Citations: 12 View Online »

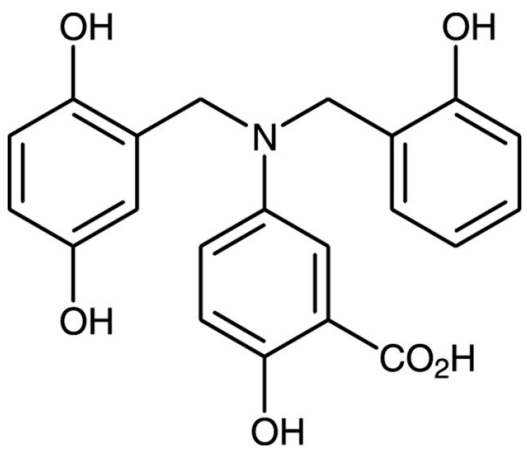
Ordering Information

Order Online »

BML-EI185-0001	1mg

Manuals, SDS & CofA

View Online »


OH
OH
N
OH
CO2H
OH

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	Protect from oxygen.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	5-Amino-[(N-2,5-dihydroxybenzyl)-N'-2-hydroxybenzyl]salicylic acid, RG14355
Appearance	Off-white to tan solid.
CAS	125697-92-9
Couple Target	EGFR
Couple Type	Inhibitor
Formula	$C_{21}H_{19}NO_6$
MW	381.4
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO or ethanol.

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