Erbstatin Analog

EGFR inhibitor

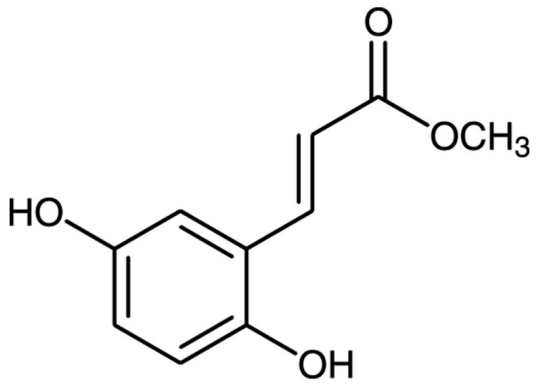
Erbstatin is a novel inhibitor of the EGF receptor-associated tyrosine kinase. It is an unstable compound and is completely inactivated in serum in 30 minutes. Methyl 2,5-dihydroxycinnamate is a stable erbstatin analog retaining activity after a 60 minute incubation. It inhibits EGF receptor-associated tyrosine kinase *in vitro* (IC_{50}=0.77 μM). Inhibition is competitive with substrate and noncompetitive with ATP.

Citations: 5 View Online »

Ordering Information Order Online »

BML-EI146-0005	5mg

Manuals, SDS & CofA View Online »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OCH3
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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 room temperature. Stock solutions are stable for up to 3 months at -20°C.
Handling	Protect from light and oxygen.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Methyl 2,5-dihydroxycinnamate
Appearance	Yellow solid.
CAS	63177-57-1
Couple Target	EGFR
Couple Type	Inhibitor
Formula	$C_{10}H_{10}O_4$
MW	194.2
MeltingPoint	169-172°C
Purity	≥98% (TLC)
Solubility	Soluble in ethanol (25mg/ml), methanol or DMSO (25mg/ml).

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