Damnacanthal

p56lck tyrosine kinase inhibitor

Damnacanthal is a potent and selective inhibitor of $p56^{lck}$ tyrosine kinase. It inhibits $p56^{lck}$ autophosphorylation (IC_{50}=17 nM) as well as phosphorylation of exogenous substrates (IC_{50}=620 nM) in cell-free assays. Damnacanthal shows a 10-fold selectivity for $p56^{lck}$ over PKA and PKC and 40-fold selectivity over four receptor tyrosine kinases as well as 7–20-fold selectivity over the homologous enzymes $p60^{src}$ and $p59^{fyn}$.

Citations: 5 View Online »

Ordering Information

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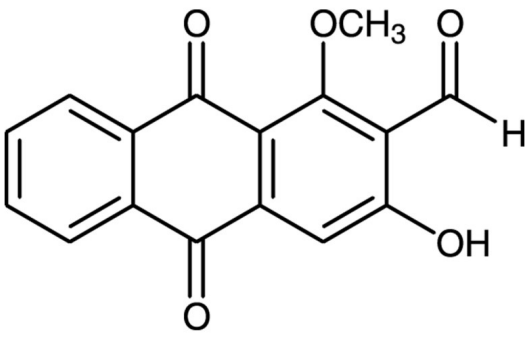
BML-EI274-0001	1mg

Manuals, SDS & CofA

View Online »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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	3-Hydroxy-1-methoxyanthraquinone-2-aldehyde
Appearance	Pale orange solid.
CAS	477-84-9
Couple Target	p56lck tyrosine kinase
Couple Type	Inhibitor
Formula	$C_{16}H_{10}O_5$
Identity	Determinedy by NMR.
MW	282.2
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO.

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