Butyrolactone I

CDK inhibitor

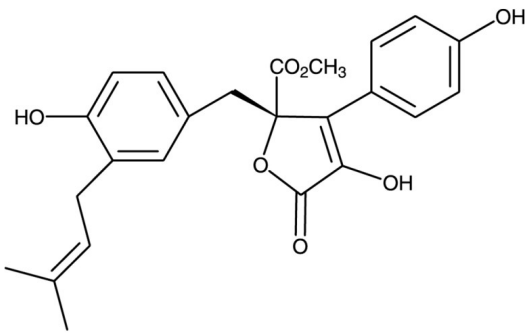
Cell permeable and selective inhibitor of the cyclin-dependent kinases CDK1/cyclin B, CDK2 and CDK5. Inhibits cell cycle progression at the G1/S and G2/M transitions. G1/S and G2/M transitions, in W138 cells, were inhibited, concurrent with inhibition of the phosphorylations of, respectively, retinoblastoma protein and histone H1. It is an important tool for probing the cellular roles of CDKs. Blocks Fas-induced apoptosis. Displays antitumor activity.

Citations: 15 View Online »

Ordering Information Order Online »

BML-CC210-1000	1mg
BML-CC210-0200	200µg

Manuals, SDS & CofA View Online »


OH
CO2CH3
HO
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OH
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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. Stock solutions are stable for up to 3 months at -20°C.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White solid.
CAS	87414-49-1
Couple Target	CDK
Couple Type	Inhibitor
Formula	$C_{24}H_{24}O_7$
MW	424.5
Purity	≥99% (TLC)
Solubility	Soluble in 100% ethanol (25mg/ml) or DMSO(>10mg/ml).

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