5,6-Dichloro-1-β-D-ribofuranosylbenzimidazole

Casein kinase inhibitor

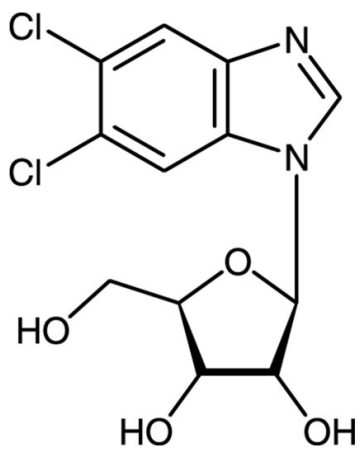
DRB is a potent and specific inhibitor of casein kinase II (CKII, IC_{50}~6 μM). It has been used to inhibit RNA polymerase II mediated-transcription which may be dependent on CKII and its interaction with ATF-1.

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BML-EI231-0050	50mg

Manuals, SDS & CofA View Online »


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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.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	DRB, 5,6-Dichlorobenzimidazole riboside
Appearance	White solid.
CAS	53-85-0
Couple Target	Casein kinase
Couple Type	Inhibitor
Formula	$C_{12}H_{12}Cl_2N_2O_4$
Identity	Determined by 1H-NMR.
MW	319.1
Purity	≥97% (TLC)
Solubility	Soluble in DMSO (20mg/ml), 100% ethanol, and dimethyl formamide (100mM).

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