RK-682

VHR inhibitor

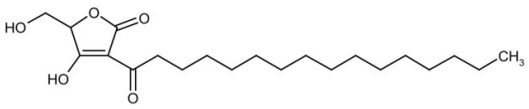
RK-682 is a novel tyrosine phosphatase inhibitor isolated from *Streptomyces sp*. It inhibits the dual specificity VHR phosphatase (IC_{50} =2.0μM) selectively over CD45 (IC_{50}=54μM), Cdc25B and PTP1B (IC50~42μM). RK-682 inhibits cell cycle progression of Ball-1 cells at the G_1/S transition and enhances ATP-induced long-term potentiation in guinea pig hippocampal CA1 neurons. Shows potent activity against HIV-1 protease.

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BML-PR112-0200	200μg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Pale yellow solid.
CAS	154639-24-4
Couple Target	Serine/threonine-protein phosphatase
Couple Type	Inhibitor
Formula	$C_{21}H_{36}O_5$
MW	368.5
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (25mg/ml), 100% ethanol (10mg/ml), methanol or dimethyl formamide.

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