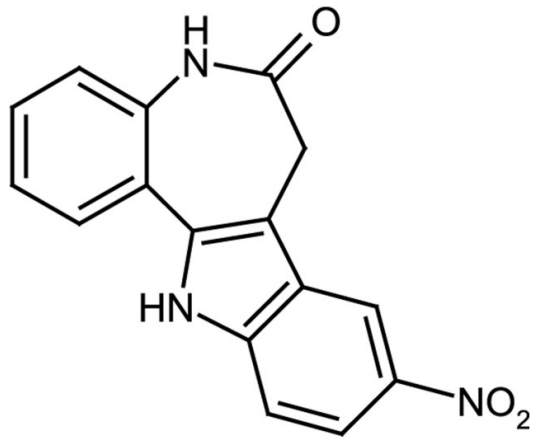
Alsterpaullone

Inhibitor of CDK and GSK

Potent inhibitor of CDK1/cyclin B (IC_{50}=35nM). Potent and selective inhibitor of CDK2/cyclin A, CDK2/cyclin E (IC_{50}=200nM), CDK5/p25 (IC_{50} =40nM), CDK5/p35 (IC_{50}=40nM) and GSK-3β . Induces apoptosis by activation of caspase-8 and caspase-9 followed by disruption of the mitochondrial potential.*Licensed from NCI.*

Citations: 11 View Online »

Manuals, SDS & CofA View Online »


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NO2

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Yellow to brown powder.
CAS	237430-03-4
Couple Target	Caspase, Caspase-8, Caspase-9, CDK, GSK
Couple Type	Activator, Inhibitor
Formula	$C_{16}H_{11}N_3O_3$
Identity	Determined by IR, 1H-NMR and 13C-NMR.
MW	293.3
Purity	≥95%
Solubility	Soluble in DMSO; insoluble in water or 100% ethanol.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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