Dynasore

GTPase inhibitor

Small molecule GTPase inhibitor targeting Dynamin-1, Dynamin-2 and Drp1 (mitochondrial Dynamin). Noncompetitive inhibitor of Dynamin GTPase activity. Blocks Dynamin-dependent endocytosis in cells (including neurons). Fast acting (seconds). Strong, dose dependent block of the traffic and accumulation of transferrin with 80µM dynasore (IC_{50} = 15µM). Has also been shown to block human papillomavirus type 16 (HPV16) and bovine papillomavirus type 1 (BPV1) (pseudovirions) infections.

Citations: 18 View Online »

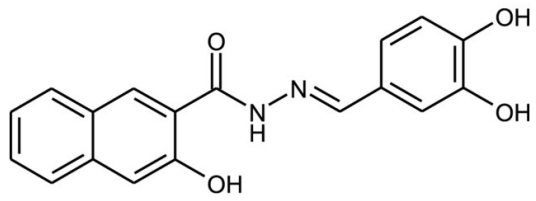
Ordering Information

Order Online »

ALX-270-502-M005	5mg
ALX-270-502-M025	25mg

Manuals, SDS & CofA

View Online »

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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions are stable for up to 3 months when stored at -20°C.
Handling	Protect from light. Keep under inert gas.
Short Term Storage	-20°C
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Off-white solid.
CAS	304448-55-3
Couple Target	Dynamin, GTPase
Couple Type	Inhibitor
Formula	$C_{18}H_{14}N_2O_4$
MW	322.3
Purity	≥98% (HPLC, TLC)
Solubility	Soluble in 100% ethanol (1mg/ml) or DMSO (10mg/ml); insoluble in water.

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