Necrox-5™ . hydrochloride

Necrosis inhibitor

Cell permeable necrosis inhibitor with antioxidant activity. It localizes mostly in the mitochondria. Selectively blocks oxidative stress-induced necrotic cell death (0.1µM NecroX™-5 prevented ~50% cell death in H9C2 cells exposed to 400µM t-BuOOH for 2 hours LDH assay used). Does not protect against staurosporine or etoposide-induced apoptosis. Protects cells against cold shock, hypoxia and oxidative stress *in vitro*, as well as CCl_4 -induced acute liver injury and chronic liver fibrosis in rodent models.

Citations: 7 View Online »

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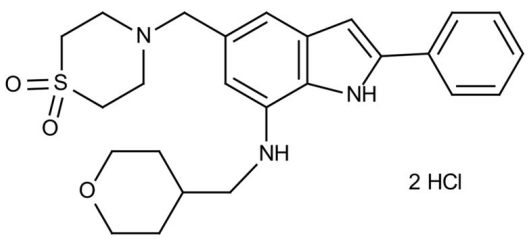
ALX-430-247-M001	1mg

Manuals, SDS & CofA View Online »



2 HCl

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light. Keep under inert gas.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	[5-(1,1-Dioxo-thiomorpholin-4-ylmethyl)-2-phenyl-1H-indol-7-yl]-(tetrahydro-pyran-4-ylmethyl)-amine
Appearance	Yellow solid.
Application Notes	Can be used for *in vitro* and *in vivo* applications. For *in vitro* experiments, dissolve Necrox-5™ in DMSO to 20-50mM stock solution and dilute further in cell culture media. Treat cells with 30µM to 0.1µM final concentration. For *in vivo* experiments, dissolve the product in DMSO at a concentration of 10mg/ml stock. Do not use PBS and Water! Optimal conditions must be determined individually for each application.
Formula	$C_{25}H_{31}N_3O_3S$. 2 HCl
Identity	Determined by LC-MS.
MW	453.6 . 72.9
Purity	≥96% (HPLC, TLC)
Solubility	Soluble in DMSO (>10mg/ml).

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