PJ-34

PARP inhibitor

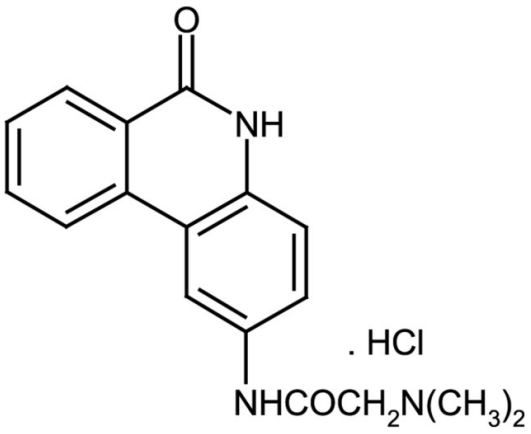
Potent, water soluble poly(ADP-ribose) polymerase (PARP) inhibitor (EC_{50} =20nM compared to EC_{50}=200µM of the prototypical PARP inhibitor 3-aminobenzamide (Prod. No. ALX-270-044)). Inhibits peroxynitrite (Prod. No. ALX-400-036)-induced cell necrosis (EC_{50}=20nM). Has significant, dose-dependent, anti-inflammatory effects in a variety of local inflammation models and provides cardioprotection by decreasing myocardial infarct size.

Citations: 32 View Online »

Ordering Information Order Online »

ALX-270-289-M001	1mg
ALX-270-289-M025	25mg

Manuals, SDS & CofA View Online »


O
NH
. HCl
NHCOCH2N(CH3)2

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for 2 years after receipt when stored at +4C° (desiccated). Stock solutions are stable for 3 weeks when stored at room temperature.
Handling	Hygroscopic.
Short Term Storage	Ambient
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-(6-Oxo-5,6-dihydro-phenanthridin-2-yl)-N,N-dimethylacetamide . HCl
Appearance	White to light brown or yellow powder.
CAS	344458-15-7
Couple Target	PARP
Couple Type	Inhibitor
Formula	$C_{17}H_{17}N_3O_2$. HCl
Identity	Determined by 1H-NMR.
MW	295.2 . 36.5
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (up to 30mg/ml) or water (up to 20mg/ml).
Source	Synthetic.

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