Creative Enzymes®

PJ34

Cat. No. CEI-0985

Lot. No. (See product label)

Introduction

Description	A cell-permeable, water-soluble, potent inhibitor of poly(ADP-ribose) polymerase (PARP; EC50 = 20 nM). Shown to be about 10,000 times more potent than the prototypical PARP inhibitor, 3-Aminobenzamide (Cat. No. 165350; EC50 = 200 µM). Does not act as an antioxidant at higher concentrations (1 µM to 10 mM). Exhibits neuroprotection in in vivo and in vitro models of stroke.
Synonyms	N-(5,6-Dihydro-6-oxo-2-phenanthridinyl)-2-acetamide hydrochloride

Product Information

Appearance	White to light brown powder.
CAS No.	344458-15-7
Molecular Formula	C17H17N3O2 • HCl
Molecular Weight	331.8 Da
Purity	>98%
Targets	PARP
IC50	20 nM
Solubility	Soluble to 100 mM in water and to 100 mM in DMSO

Storage and Shipping Information

Stability	Store at or below –20°C. Solid form is stable at least 12 months from date of receipt, when stored as directed. Do not store aqueous solutions for more than one day.