

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.