

PAC-1

Cat. No. CEI-0986

Lot. No. (See product label)

Introduction

Description Procaspase-activating compound; activates procaspase-3 to produce caspase-3 ($EC_{50} = 0.22 \mu M$). Also activates procaspase-7 in a less efficient manner ($EC_{50} = 4.5 \mu M$). Pro-apoptotic; induces apoptosis in both cancerous and non-cancerous cells dependent on procaspase-3 concentration (IC_{50} values are 0.003 - 1.41 and 5.02 - 9.98 μM respectively). PAC-1 had an IC_{50} value of 3 nM for induction of cell death, whereas in cells from adjacent normal tissue IC_{50} values of 3.2-8.5 μM were observed

Product Information

Appearance A crystalline solid.

CAS No. 315183-21-2

Molecular Formula $C_{23}H_{28}N_4O_2$

Molecular Weight 392.5 Da

Purity >99%

Targets Protease

Solubility Soluble to 75 mM in 1eq. HCl and to 100 mM in DMSO

Storage and Shipping Information

Stability Store at or below $-20^{\circ}C$. 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.