

PAC-1

Cat. # F7130, F7131

Also Known as:	N/A
Formula:	$C_{23}H_{28}N_4O_2$
MW:	392.49 Da
CAS No.:	315183-21-2
Source:	Synthetic
Form:	Lyophilized powder
Solubility:	Soluble in DMSO (50 mg/mL)
Concentration:	N/A
Quality Assurance:	>98% by HPLC and NMR
Description:	PAC-1 is a caspase-3 activator. It promotes cleavage of procaspase-3 to produce caspase-3 ($EC_{50} = 0.33 \mu M$). It also converts procaspase-7 to caspase-7 at higher dose ($EC_{50} = 4.5 \mu M$). By induction of caspase-3 and 7, PAC-1 can induce apoptosis in both cancerous cells and non-cancerous cells, but more efficiently for cancerous cells.
Storage:	Eligible for room temperature shipping. Store at $-20^{\circ}C$ upon receiving; protect from air and light
Literature:	1. Putt <i>et al.</i> (2006) Nat.Chem.Biol. 2 543. 2. Peterson <i>et al.</i> (2009) J.Med.Chem. 52 5721.

