

Product Name:	Cytochalasin A
Product Number:	C193
CAS Number:	14110-64-6
Molecular Formula:	$C_{29}H_{35}NO_5$
Molecular Weight:	477.6
Appearance:	White powder
Storage Conditions:	-20°C
Description:	<p>Cytochalasin A is one of a family of potent mycotoxins produced by several species of fungi. All members of the class exhibit profound effects on cytoskeletal proteins, giving rise to pronounced morphogenic activity in animals and plants. Despite the common mode of action, there is evidence that individual members of the class display diverse selectivity. Specifically, cytochalasin A is one of the few cytochalasins active against HIV-1 protease.</p>
Mechanism of Action:	<p>Cytochalasin A is soluble in ethanol, methanol, DMF and DMSO.</p> <p>Cytochalasin A exhibits potent inhibition of actin filament function leading to cell death by apoptosis and displays a broad range of resultant cellular actions.</p>
References:	<p>The structures of cytochalasin A and B. Aldridge D. C. et al. J. Chem. Soc.1967, 1667.</p> <p>L-696,474, a novel cytochalasin as an inhibitor of HIV-1 protease. III. Biological activity. Lingham R. B. et al. J. Antibiot. 1992, 45, 686.</p>