Creative Enzymes®

Cercosporamide

Cat. No. CEI-1076

Lot. No. (See product label)

Introduction

Description	Potent inhibitor of MAP-kinase interacting kinase-2 (Mnk2) and JAK3 (IC50 values are 11, 31 and 116 nM for Mnk2, JAK3 and Mnk1 respectively). Blocks eIF4E phosphorylation; exhibits antiproliferative and proapoptotic activity in cancer cells in vitro. Also inhibits Pkc1. Orally bioavailable.
Synonyms	GPRK7, MNK2

Product Information

CAS No.	131436-22-1
Molecular Formula	C16H13NO7
Chemical Name	(9aS)-8-Acetyl-9,9a-dihydro-1,3,7-trihydroxy-9a-methyl-9-oxo-4-dibenzofurancaboxamide
Molecular Weight	331.28
Purity	>96 %
Targets	Mnk2, JAK3, Mnk1
IC50	11nM, 31nM, 116 nM
Solubility	Soluble to 10 mM in DMSO

Storage and Shipping Information

Storage	-20 centigrade
Stability	Stable under recommended storage conditions.