

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.