

## 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.