

Catalog Number: CM08517

## 产品信息

**Catalog Number:**  
CM08517

**CAS号:**  
1197824-15-9

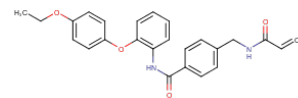
**分子式:**  
C<sub>25</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>

**主要靶点:**  
c-Myc

**主要通路:**  
细胞周期

**分子量:**  
416.4691

**溶解度:**  
DMSO:250 mg/mL (600.28  
mM), Sonification is  
recommended.



## 体外活性

EN4 (50 μM; for 60 hours) treatment significantly decreases the protein levels of representative MYC-regulated target genes, including CDK2 and CDC25A. EN4 treatment also substantially reduces MYC levels. EN4 shows the strongest inhibition of both MYC/MAX binding to its DNA consensus sequence in vitro as well as MYC transcriptional activity in cells. EN4 inhibited MYC/MAX binding to the E-box response element DNA consensus sequence in a dose-responsive manner with an IC50 value of 6.7 μM. EN4 also inhibits MYC luciferase reporter activity in a dose-responsive manner with an IC50 value of 2.8 μM. EN4 (1-50 μM; for 72 hours) treatment significantly impairs 231MFP breast cancer cell proliferation in a dose-dependent manner, with >90% inhibition of proliferation at 50 μM. EN4 (50 μM; for 2 hours) treatment significantly reduced MYC thermal stability in 231MFP breast cancer cells.

## 描述

EN4 MYC inhibitor is a covalent ligand that targets cysteine 171 (C171) of MYC. It is selective for c-MYC over N-MYC and L-MYC, and inhibits MYC transcriptional activity, downregulates MYC targets, and impairs tumorigenesis.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years