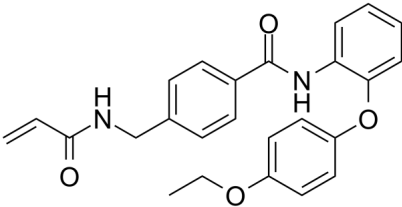


Data Sheet

Product Information

Catalog Number	BP13200
Product Name	EN4
Description	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.
In vitro	EN4 (50 μ M; 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 IC ₅₀ value of 6.7 μ M. EN4 also inhibits MYC luciferase reporter activity in a dose-responsive manner with an IC ₅₀ value of 2.8 μ M. EN4 (1-50 μ M; for 72 hours) treatment significantly impairs 231MFP breast cancer cell proliferation in a dosedependent manner, with >90% inhibition of proliferation at 50 μ M. EN4 (50 μ M; for 2 hours) treatment significantly reduced MYC thermal stability in 231MFP breast cancer cells.
Synonyms	EN4 MYC inhibitor
CAS No.	1197824-15-9
Chemical Formula	C ₂₅ H ₂₄ N ₂ O ₄
Molecular Weight	416.477
Solubility	DMSO: 250 mg/mL (600.28 mM), Need ultrasonic

Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022