



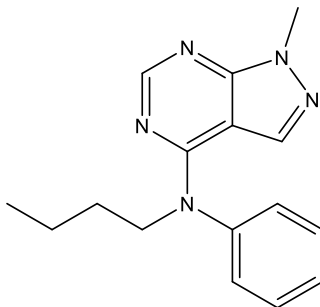
Catalog #10-4146

MYCMI-11

CAS# 2291360-73-9

N-Butyl-1-methyl-N-phenyl-1H-pyrazolo[3,4-d]pyrimidin-4-amine

Lot # FBA11076



MYCMI-11 is an inhibitor of the MYC:MAX interaction ($IC_{50} = 6 \mu M$).¹ It inhibited the growth of MYCN-amplified neuroblastoma cells. MYCMI-11 binds to the bHLH-LZ domain of MYC ($K_D = 24 \mu M$). Disruption of the MYC:MAX interaction by MYCMI-11 along with 20S proteasome activation with TCH-165 (Focus Cat.#10-4400) enhanced MYC degradation, suppressed MYC-dependent transcription, and promoted apoptosis in colon cancer cells.²

- 1) Castell *et al.* (2018) *A Selective High Affinity MYC-Binding Compound Inhibits MYC:Max Interaction and MYC-Dependent Tumor Cell Proliferation*; Sci. Rep. **8** 10064
- 2) Olatunde and Tepe (2026) *Chemical Induction of MYC Protein Degradation via MYC-MAX Disruption and 20S Proteasome Activation*; ACS Chem. Biol. **21** 1728

PHYSICAL DATA

Molecular Weight:	281.36
Molecular Formula:	C ₁₆ H ₁₉ N ₅
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (10 mg/ml with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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