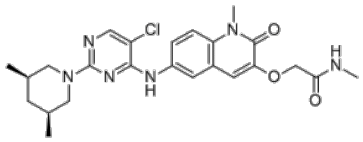
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BI-3802
Cat. No.	:	PC-60949
CAS No.	:	2166387-65-9
Molecular Formula	:	$C_{24}H_{29}ClN_6O_3$
Molecular Weight	:	484.985
Target	:	Bcl-2
Solubility	:	10 mM in DMSO



Biological Activity

BI-3802 (BI 3802) is a small molecule B cell lymphoma 6 (**BCL6**) degrader, binds the Broad complex/Tramtrack/Bric-a-brac (BTB) domain and induces BCL6 degradation.
BI-3802 induced degradation of the full-length BCL6 reporter, while the inhibitor, BI-3812, did not alter stability of the reporter, which can be attenuated by chemical inhibition of the 26S proteasome with MG132 or inhibition of the ubiquitin activating enzyme UBA1 by MLN7243 (TAK-243).
BI-3802 induces cellular BCL6 foci and BCL6 polymerization.
Mutation of Y58 to alanine in BCL6 prevents BI-3802 binding in vitro.
The non-cullin E3 ubiquitin ligase SIAH1 is involved in degradation of polymerized BCL6, BI-3802 increased the interaction between BCL6 and SIAH1 (EC50=64 nM) both in vitro and in cells.

References

Kerres N, et al. ***Cell Rep.*** 2017 Sep 19;20(12):2860-2875.
2. Mikołaj Słabicki, et al. ***Nature.*** 2020 Dec;588(7836):164-168.

E-mail: tech@probechem.com