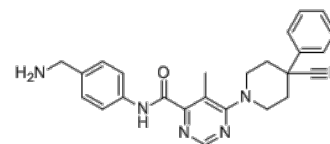


Product Name : BI8622
Cat. No. : PC-63514
CAS No. : 1875036-74-0
Molecular Formula : C₂₅H₂₆N₆O
Molecular Weight : 426.524
Target : E3 Ubiquitin Ligase
Solubility : 10 mM in DMSO



Biological Activity

BI8622 (BI-8622) is a specific small molecule inhibitor of the **HUWE1 ubiquitin ligase** with IC₅₀ of 3.1 μM, does not inhibit the activity of other HECT-domain ubiquitin ligases (HECW2, NEDD4, UBA1 and UbcH5b).

BI8622 abolishes ubiquitination of MCL1 induced by ectopically expressed HUWE1 in HeLa cells with IC₅₀ of 6.8 μM, suppresses colony formation of Ls174T cells with IC₅₀ of 8.4 μM.

BI8622 inhibits MYC-dependent transactivation in colorectal cancer cells, but not in stem and normal colon epithelial cells.

BI8622 stabilizes MYC-associated protein MIZ1.

References

Peter S, et al. *EMBO Mol Med*. 2014 Dec;6(12):1525-41.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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