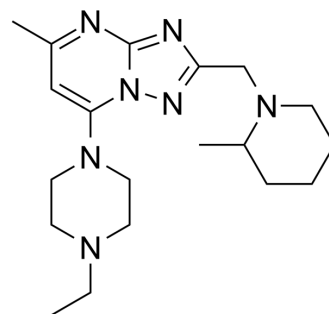


UBE2T/FANCL-IN-1

Cat. No.:	HY-126539
CAS No.:	1359415-02-3
Molecular Formula:	C ₁₉ H ₃₁ N ₇
Molecular Weight:	357.5
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UBE2T/FANCL-IN-1 is a potent inhibitor of UBE2T/FANCL-mediated FANCD2 monoubiquitylation that sensitizes cells to the DNA cross-linking agent, Carboplatin ^[1] .
In Vitro	UBE2T/FANCL-IN-1 (CU2) completely inhibits the ubiquitylation of GST-FANCLRING at 100 μM. UBE2T/FANCL-IN-1 (500 μM) reduced the level of mUb-FANCD2 in response to HU treatment. UBE2T/FANCL-IN-1 (500 μM) also reduced the level of mUb-FANCD2 generated in response to Cisplatin (10 μM) treatment for 6, 12, and 24 hours. The combination of 250 μM UBE2T/FANCL-IN-1 with 15 μM carboplatin led to an even more pronounced decrease in cell proliferation/growth, with the cells being <50% confluent after 8 days ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Cornwell MJ, et al. Small-Molecule Inhibition of UBE2T/FANCL-Mediated Ubiquitylation in the Fanconi Anemia Pathway. ACS Chem Biol. 2019;14(10):2148-2154.

Caution: Product has not been fully validated for medical applications. For research use only.

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