
Product Data Sheet

Product Name: UBE2T/FANCL-IN-1

Cat. No.: GC65424

Chemical Properties

Cas. No. 1359415-02-3

Formula C₁₉H₃₁N₇ M.Wt 357.5

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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].

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].

[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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