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## Product Data Sheet

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Product Name: I-138  
Cat. No.: GC69249

### Chemical Properties

Cas. No. 2098211-50-6

Formula  $C_{26}H_{23}F_3N_6O$  M.Wt 492.5

Solubility Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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

I-138 is an orally active compound structurally related to ML323 (). I-138 and ML-323 are potent reversible inhibitors of **USP1-UAF1**. I-138 displays synergistic binding with ubiquitin and mutual exclusive binding with ML323. I-138 induces the monoubiquitination of FANCD2 and PCNA in MDA-MB-436 cells, increases PCNA and FANCD2 monoubiquitination in HAP-1 USP1 WT cells. I-138 ablates USP1 autocleavage in cells<sup>[1]</sup>.

[1]. Simoneau A, et al. Ubiquitinated PCNA Drives USP1 Synthetic Lethality in Cancer. Mol Cancer Ther. 2023 Feb 1;22(2):215-226.

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

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