

Cat. No.: GC80932

O=S(=O)([O-])[O-]CCCC(=O)N1Cc2ccc(NC(=O)c3ccc(cc3)CN(C4CC4)C(=O)c5ccc6c(c5)oc(=O)[nH]6)cc21

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Product Data Sheet

E272, K253) wherein mutations disrupt complex stability or degrader positioning and inhibit ubiquitination^[1]. UNC10088's (5 μ M, 1 h) binding to the FBXO22 FIST domain is exclusively dependent on Cys326, as complex formation is abolished by the C326A mutation and restored by its singular reintroduction into a cysteine-null background^[1]. UNC10088 (1 h) exhibits a 2.5-fold reduction in IC₅₀ (from 248 nM to 101 nM) upon the addition of FBXO22, indicating positive cooperative binding with an α -factor of 3.3^[1]. UNC10088 significantly increases the melting temperature (T_m) of the FIST domain in wild-type FBXO22; the addition of UNC10088 had almost no effect on the T_m of the C326A mutant^[1].

References:

[1]. Robertson KC, et al. Structural basis of NSD2 degradation via targeted recruitment of SCF-FBXO22. bioRxiv [Preprint]. 2025 Aug 30:2025.08.29.673087.

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

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