

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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA