

Product Name	: DI-591
Synonyms	: DI591
Cat No.	: M13605
CAS Number	: 2245887-38-9
Molecular Formula	: C ₃₁ H ₄₇ N ₅ O ₄ S
Formula Weight	: 585.81
Chemical Name	: (S)-N-((S)-1-cyclohexyl-2-(3-morpholinopropanamido)ethyl)-3-(6-isopropylbenzo[d]thiazol-2-yl)-2-propionamidopropanamide
Description	: DI-591 (DI591) is a potent, selective, cell-permeable inhibitor of the DCN1-UBC12 interaction with K_i of 10-12 nM for human DCN1 and DCN2; displays no affinity against DCN3/4/5 ($K_i > 10 \mu\text{M}$); selectively inhibits neddylation of cullin 3 but has no or minimal effect on neddylation of other cullin family members; accumulates NRF2 protein and its transcriptional activation in cells.
Pathway	: Proteasome/Ubiquitin
Target	: E2
Receptor	: E2
Solubility	: 10 mM in DMSO
SMILES	: —
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zhou H, et al. Nat Commun. 2017 Oct 27;8(1):1150.

