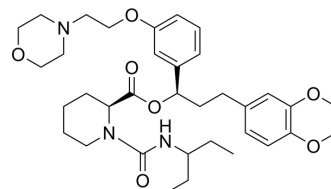


## Shield-2

Cat. No.:	HY-113646
CAS No.:	1013621-70-9
Molecular Formula:	C <sub>35</sub> H <sub>51</sub> N <sub>3</sub> O <sub>7</sub>
Molecular Weight:	625.8
Target:	FKBP
Pathway:	Apoptosis; Autophagy; Cell Cycle/DNA Damage; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Shield-2 is an efficient stabilizing ligand binding to the FKBP (F36V) protein with a dissociation constant of 29 nM. Shield-2 binds tightly to the FKBP mutants destabilizing domains and prevents degradation, thus providing small molecule regulation over intracellular protein levels<sup>[1][2]</sup>.

### REFERENCES

- [1]. Grimley JS, et al. Synthesis and analysis of stabilizing ligands for FKBP-derived destabilizing domains. *Bioorg Med Chem Lett*. 2008 Jan 15;18(2):759-61.
- [2]. Bonger KM, et al. Small-molecule displacement of a cryptic degron causes conditional protein degradation. *Nat Chem Biol*. 2011 Jul 3;7(8):531-7.

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

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