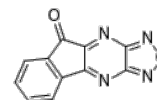


Product Name : SMER3
Cat. No. : PC-27693
CAS No. : 67200-34-4
Molecular Formula : C₁₁H₄N₄O₂
Molecular Weight : 224.18
Target : E3 Ubiquitin Ligase
Solubility : 10 mM in DMSO



Biological Activity

SMER3 is a specific small molecule inhibitor of E3 ubiquitin ligase **SCF^{Met30}**, a member of SCF family E3 ubiquitin ligases. SMER3 does not inhibit the closely related SCF^{Cdc4}. SMER3 enhances rapamycin's growth inhibitory effect by inhibition of SCF^{Met30}. SMER3 prevents the assembly of SCF^{Met30} or induces SCF complex dissociation. SMER3 directly binds to Met30-Skp1, but not Skp1 alone. SMER3 specifically inactivates SCF^{Met30} by binding to Met30.

References

Aghajan M, et al. *Nat Biotechnol.* 2010 Jul;28(7):738-42.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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