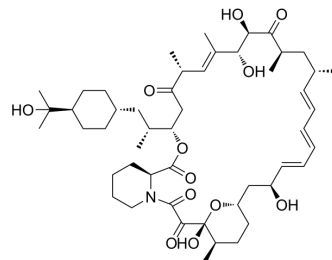


mTORC1-IN-1

Cat. No.:	HY-157167
Molecular Formula:	C ₅₀ H ₇₇ NO ₁₂
Molecular Weight:	884.15
Target:	mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	mTORC1-IN-1 (T1) is a rapamycin homologue (rapalog) and selective mTORC1 inhibitor. mTORC1-IN-1 regulates cell growth and metabolism and is implicated in a variety of diseases including cancer. mTORC1-IN-1 targets mTORC1 by binding to the FKBP12-FRB complex (docking score = -11.6 kcal/mol) ^[1] .
IC ₅₀ & Target	mTORC1

REFERENCES

[1]. Lopez J J D, et al. The role of glycerol-water mixtures in the stability of FKBP12-rapalog-FRB complexes [J]. Journal of Molecular Graphics and Modelling, 2023: 108556.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA