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Rapamycin

Catalogue No.: abx076788

Rapamycin is a small molecule. Rapamycin or Sirolimus is an immunosuppressant and antifungal. It inhibits the response to interleukin-2, and therefore blocks activation of T and B cells. It binds FKBP12 which then inhibits the mTOR pathway (1). There is also potential treatment for Alzheimer;s, autism and HIV infection (2-3).

Target: Rapamycin

Origin: Synthetic

Purity: >98%

Form: White Solid

CAS Number: 53123-88-9

Storage: Store at -20 °C.

Molecular Weight: 914.18

Formula: C₅₁H₇₉NO₁₃

SMILES:

C[C@@H]1CC[C@@H]2C[C@@H](C=C/C=C/C=C/C[C@@H](C[C@@H](C=O)[C@@H]([C@@H](C=C[C@@H](C=O)C[C@@H](OC(=O)[C@@H]3CCCCN3C(=O)C(=O)[C@@]1(O2)O)[C@@H](C)C[C@@H]4CC[C@@H]([C@@H](C4)OC)O)C)O)OC)C)O)OC

Note: This product is for research use only.