

Rapamycin

Cat. No. CEI-1158

Lot. No. (See product label)

Introduction

Description Rapamycin is a specific mTOR inhibitor with IC₅₀ of ~0.1 nM.

Synonyms FRAP, FRAP1, FRAP2, RAFT1, RAPT1

Product Information

CAS No. 53123-88-9

**Molecular
Formula** C₅₁H₇₉NO₁₃

**Chemical
Name** (3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,34aS)-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34,34a-Hexadecahydro-9,27-dihydroxy-3-[(1R)-2-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone

**Molecular
Weight** 914.17

Purity > 95%

Targets mTOR

IC₅₀ 0.1 nM

Storage and Shipping Information

Storage 4 centigrade