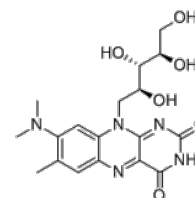


Product Name : Roseoflavin
Cat. No. : PC-70093
CAS No. : 51093-55-1
Molecular Formula : C₁₈H₂₃N₅O₆
Molecular Weight : 405.4
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Roseoflavin is a chemical analog of FMN and riboflavin that has antimicrobial activity; directly bind to FMN riboswitch aptamers (K_d=100 nM) and downregulate the expression of an FMN riboswitch-lacZ reporter gene in *B. subtilis*.

References

- Lee ER, et al. RNA Biol. 2009 Apr-Jun;6(2):187-94.
Wang H, et al. Cell Chem Biol. 2017 May 18;24(5):576-588.e6.
Langer S, et al. J Bacteriol. 2013 Sep;195(18):4037-45.

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

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