

For Research Use Only

Lin28-let-7a antagonist 1



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Catalog Number: CM05106

产品信息

Catalog Number:
CM05106

CAS号:
2024548-03-4

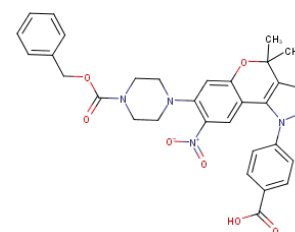
分子式:
C₃₁H₂₉N₅O₇

主要靶点:
Others

主要通路:
其他

分子量:
583.59

溶解度:
DMSO:60 mg/ml (102.81 mM)



靶点活性

Lin28A-let-7a-1:4.03 μ M

体外活性

When the expression of both Lin28A and Lin28B are knocked-down using siRNA in JAR cells, the Lin28-let-7a antagonist 1-induced increase in cellular let-7 levels is clearly attenuated. Lin28A-let-7a-IN-1 increases mature let-7 levels in PA-1 cells that express high level of Lin28A. On the other hand, let-7 levels are not affected by 1 in MCF7 cells that rarely express Lin28 proteins. Taken together, Lin28-let-7a antagonist 1 specifically induces the increase in the cellular let-7 levels by targeting Lin28. Lin28-let-7a antagonist 1 shows a clear antagonistic effect against the Lin28A-let-7a-1 interaction with an IC₅₀ of 4.03 μ M. Interestingly, Lin28-let-7a antagonist 1 also inhibits the Lin28B-let-7 interaction, with slightly reduced potency. Dicer processing assay reveals that Lin28-let-7a antagonist 1 clearly blocks the formation of the Lin28A-pre-let-7g complex and induces miRNA processing, resulting in the generation of mature let-7g miRNA.

描述

Lin28-let-7a antagonist 1, with an IC₅₀ of 4.03 μ M for Lin28A-let-7a-1 interaction, and shows a clear antagonistic effect against the Lin28-let-7a interaction.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years

For technical support and original validation data for this product please contact

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