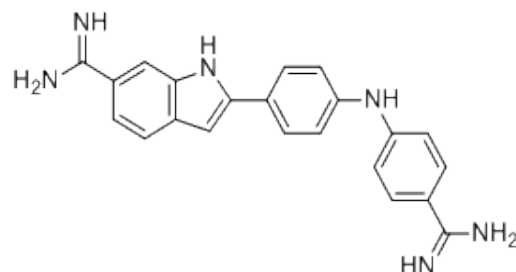


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :Synucleozid
Cat.No. :URK-V2271
CAS No. :502139-01-7
Molecular Formula :C₂₂H₂₀N₆
Molecular Weight :368.444
Target :
Solubility :



Biological Activity

Synucleozid (NSC 377363) is a small molecule that targets the IRE structure and inhibits SNCA gene translation in cells, directly targets the α-synuclein mRNA 5'UTR at the designed site.

Synucleozid decreases 2-AP emission with an EC₅₀ of 2.7 μM.

Synucleozid binds and stabilizes the SNCA IRE in cells at a specific structural element.

Synucleozid selectively reduces α-synuclein protein levels by decreasing the amount of SNCA mRNA loaded into polysomes, mechanistically providing a cytoprotective effect in cells.

References

1. Zhang P, et al. Proc Natl Acad Sci U S A. 2020 Jan 21;117(3):1457-1467.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

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

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