



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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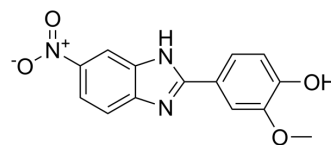
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CB096

Cat. No.:	HY-W141374
CAS No.:	108883-90-5
Molecular Formula:	C ₁₄ H ₁₁ N ₃ O ₄
Molecular Weight:	285.25
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

CB096 binds the 5'CGG/3'GGC internal loop structure of r(G4C2)exp RNA, interrupts its gain-of-function mechanism, and thus results in the regulation of nucleolar focusing, RNA splicing defects, RNA metabolism, nucleocytoplasmic transport dysfunction, and toxic dipeptide repeats (DPRs) generated by RNA translation. CB096 inhibits the RAN translation with an IC₅₀ of 20 μM in HEK293T cells^[1].

REFERENCES

[1]. Ursu A, et al., Structural Features of Small Molecules Targeting the RNA Repeat Expansion That Causes Genetically Defined ALS/FTD. ACS Chem Biol. 2020 Dec 18;15(12):3112-3123.

Caution: Product has not been fully validated for medical applications. For research use only.

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