

Product Datasheet

NSD2-IN-1

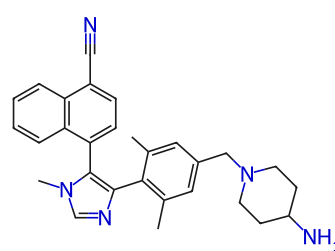
Catalog No. **BP-02055** · CAS **2797183-37-8** · Form **free base** · Physical state **solid** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-14**

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Target Apoptosis	Research area Cancer
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Molecular formula	C₂₉H₃₁N₅
Molecular weight	449.5899

STRUCTURE



DESCRIPTION

NSD2-IN-1 (compound 38) is a potent and high selective NSD2-PWWP1 (nuclear receptor-binding SET domain 2-PWWP1) inhibitor, with an IC₅₀ of 0.11 μM. NSD2-IN-1 can bind to NSD2-PWWP1 and then affect the expression of genes regulated by NSD2. NSD2-IN-1 induces apoptosis and cell cycle arrest.

BIOLOGICAL ACTIVITY

In Vitro NSD2-IN-1 inhibits cell proliferation in MV4:11, RS4:11, KMS11, and MM1S cells, with IC₅₀ values of 2.23, 6.30, 8.43, and 10.95 μM, respectively[1].

SOLUBILITY

Soluble in DMSO : 50 mg/mL

REFERENCES

[1]. Li N, et al. Structure-Based Discovery of a Series of NSD2-PWWP1 Inhibitors. J Med Chem. 2022 Jun 15.