

Product Datasheet

diABZI STING agonist-1 Tautomerism

Catalog No. **BP-02236** · CAS **2138498-18-5** · Form **free base** · Physical state **other** · Color **White to light yellow** · Version **1.0**
· Revision **2026-09-03**

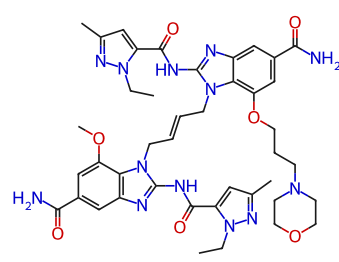
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Target STING	Research area Inflammation/Immunology
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Molecular formula **C₄₂H₅₁N₁₃O₇**

Molecular weight **849.9372**

STRUCTURE



DESCRIPTION

diABZI STING agonist-1 Tautomerism (compound 3) is a selective stimulator of interferon genes (STING) receptor agonist, with EC₅₀s of 130, 186 nM for human and mouse, respectively.

BIOLOGICAL ACTIVITY

In Vitro

diABZI STING agonist-1 tautomerism is a selective stimulator of interferon genes (STING) receptor agonist, with EC₅₀s of 130, 186 nM for human and mouse, respectively. At a concentration of 1 μM, diABZI STING agonist-1 (compound 3) demonstrates high selectivity against more than 350 kinases tested.

In Vivo

diABZI STING agonist-1 (subcutaneous injection; 2.5 mg/kg) tautomerism induces STING-dependent activation of type-I interferon and pro-inflammatory cytokines in vivo.

diABZI STING agonist-1 (intravenous injection; 3 mg/kg) tautomerism exhibits systemic exposure with a half-life of 1.4 h and achieves systemic concentrations greater than the half-maximal effective concentration (EC₅₀) for mouse STING (200 ng/mL).

diABZI STING agonist-1 (intravenous injection; 1.5 mg/kg; 43 days) tautomerism results in significant tumour growth inhibition and significantly improves survival with 8 out of 10 mice remaining tumor free at the end of the study on day 43.

SOLUBILITY

Soluble in DMSO, water

REFERENCES

[1]. Ramanjulu JM, et al. Design of amidobenzimidazole STING receptor agonists with systemic activity. Nature. 2018 Nov 7.

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