

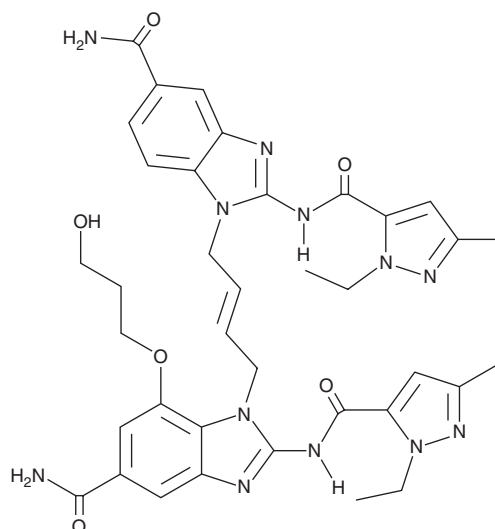
PRODUCT INFORMATION



diABZI STING Agonist-3

Item No. 34082

CAS Registry No.: 2138299-29-1
Formal Name: 1-[(2E)-4-[5-(aminocarbonyl)-2-[[[(1-ethyl-3-methyl-1H-pyrazol-5-yl)carbonyl]amino]-1H-benzimidazol-1-yl]-2-buten-1-yl]-2-[[[(1-ethyl-3-methyl-1H-pyrazol-5-yl)carbonyl]amino]-7-(3-hydroxypropoxy)-1H-benzimidazole-5-carboxamide
Synonyms: CS-0029879, Diamidobenzimidazole STING Agonist, diABZI-3, EX-A3217, HY-103665, STING Agonist-3
MF: C₃₇H₄₂N₁₂O₆
FW: 750.8
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

diABZI STING agonist-3 is supplied as a solid. A stock solution may be made by dissolving the diABZI STING agonist-3 in the solvent of choice, which should be purged with an inert gas. diABZI STING agonist-3 is soluble in the organic solvent DMSO (sonicated) at a concentration of approximately 40 mg/ml.

Description

diABZI STING agonist-3 is an agonist of stimulator of interferon genes (STING).¹ It binds to STING (IC₅₀ = 0.32 nM in a FRET assay) and induces STING transcriptional activity in a reporter assay (EC₅₀ = 31.62 nM). diABZI STING agonist-3 increases protein levels of Nod-like receptor protein 3 (NLRP3), IL-1β, and IL-18, but not cGAS or mtDNA, in macrophages.²

References

1. Charnley, A.K., Darcy, M.G., Dodson, J.W., *et al.* Heterocyclic amides useful as protein modulators. **WO 2017/175147 A1** (2017).
2. Ning, L., Wei, W., Wenyang, J., *et al.* Cytosolic DNA-STING-NLRP3 axis is involved in murine acute lung injury induced by lipopolysaccharide. *Clin. Transl. Med.* **10(7)**, e228 (2020).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

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