
Product Data Sheet

Product Name: diABZI-C2-NH2

Cat. No.: GC63473

Chemical Properties

Cas. No. 2137975-93-8

Formula $C_{36}H_{43}N_{13}O_4$ M.Wt 721.81

Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

diABZI-C2-NH2, an active analogue containing a primary amine functionality, is a STING agonist[1].

The author developed a linking strategy to synergize the effect of two symmetry-related amidobenzimidazole (ABZI)-based compounds to create linked ABZIs (diABZIs) with enhanced binding to STING and cellular function. Intravenous administration of a diABZI STING agonist to immunocompetent mice with established syngeneic colon tumours elicited strong anti-tumour activity, with complete and lasting regression of tumours[1]. diABZI-C2-NH2 is covalently immobilized on sepharose beads and is used to affinity-capture potential target proteins from a THP1 cell lysate[1].

[1]. Ramanjulu JM, et al. Design of amidobenzimidazole STING receptor agonists with systemic activity [published correction appears in Nature. 2019 Jun;570(7761):E53]. Nature. 2018;564(7736):439-443.

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

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