

Product Data Sheet

Product Name: BAY-179

Cat. No.: GC49901

Chemical Properties

Cas. No. 2764880-87-5

SMILES C12=NC=CC=C1NC(CN3CCC(C4=NC(C5=CC6=C(C=CC=C6)O5)=CS4)CC3)=N2

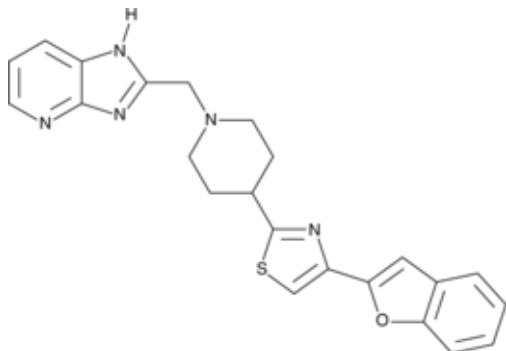
Formula C₂₃H₂₁N₅OS M.Wt 415.5

Solubility DMF: Slightly soluble, DMSO: Slightly soluble Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

BAY-179 is an inhibitor of mitochondrial complex I, also known as NADH dehydrogenase (IC₅₀s = 79, 38, 27, and 47 nM for the human, mouse, rat, and dog enzymes, respectively).¹ See the Structural Genomics Consortium (SGC) website for more information.

1. Mowat, J., Ehrmann, A.H.M., Christian, S., et al. Identification of the highly active, species cross-reactive complex I inhibitor BAY-179. *ACS Med. Chem. Lett.* 13(3)348-357 (2022)

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

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