

Product Data Sheet

Product Name: RBN-2397

Cat. No.: GC39504

Chemical Properties

Cas. No. 2381037-82-5

SMILES O=C1C(C(F)(F)F)=C(N[C@@H](C)COCCC(N2CCN(C3=NC=C(C(F)(F)F)C=N3)CC2)=O)C=NN1

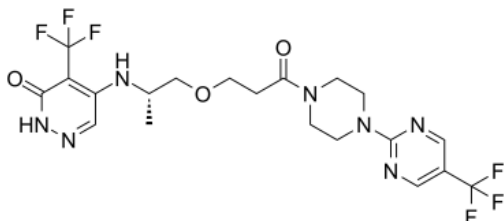
Formula $C_{20}H_{23}F_6N_7O_3$ M.Wt 523.43

Solubility DMF: 1 mg/ml, DMSO: 1 mg/ml Storage Store at -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

RBN-2397 is a potent, across species and orally active NAD⁺ competitive inhibitor of PARP7 (IC₅₀ < 3 nM). RBN-2397 selectively binds to PARP7 (K_d = 0.001 μM) and restores interferon (Type I) signaling. RBN-2397 has the potential for the study of advanced or metastatic solid tumors [1][2].

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

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[1]. RBN-2397-Inhibiting PARP7, a Key monoPARP Cancer Dependency [2]. Melissa Vasbinder, et al. RBN-2397: A First-in-Class PARP7 Inhibitor Targeting a Newly Discovered Cancer Vulnerability in Stress-Signaling Pathways.

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