
Product Data Sheet

Product Name: (R)-CE3F4

Cat. No.: GC34988

Chemical Properties

Cas. No. 1593478-56-8

SMILES O=CN1[C@H](C)CCC2=C1C=C(Br)C(F)=C2BrFormula $C_{11}H_{10}Br_2FNO$ M.Wt 351.01

Solubility Soluble in DMSO 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**

(R)-CE3F4 is a potent and selective inhibitor of exchange protein directly activated by cAMP isoform 1 (Epac1), with an IC₅₀ of 4.2 μM, with 10-fold selectivity for Epac1 over Epac2 (IC₅₀, 44 μM). (R)-CE3F4 is more potent than racemic CE3F4 and (S)-CE3F4[1].

[1]. Courilleau D, et al. The (R)-enantiomer of CE3F4 is a preferential inhibitor of human exchange protein directly activated by cyclic AMP isoform 1 (Epac1). *Biochem Biophys Res Commun.* 2013 Oct 25;440(3):443-8.

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

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