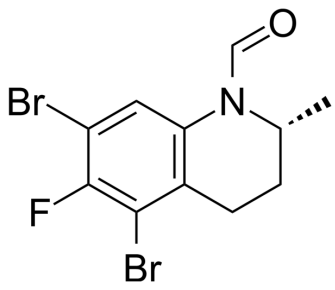
(R)-CE3F4

Cat. No.:	HY-108539A
CAS No.:	1593478-56-8
Molecular Formula:	$C_{11}H_{10}Br_2FNO$
Molecular Weight:	351.01
Target:	Ras
Pathway:	GPCR/G Protein; MAPK/ERK Pathway
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	(R)-CE3F4 is a potent and selective inhibitor of exchange protein directly activated by cAMP isoform 1 (Epac1), with an IC_{50} of 4.2 μM, with 10-fold selectivity for Epac1 over Epac2 (IC_{50}, 44 μM). (R)-CE3F4 is more potent than racemic CE3F4 and (S)-CE3F4[1].

REFERENCES

[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.

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