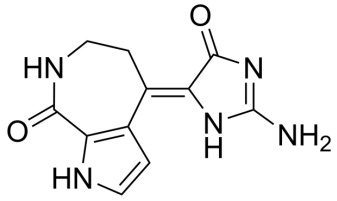
Debromohymenialdisine

Cat. No.:	HY-113632
CAS No.:	75593-17-8
Molecular Formula:	$C_{11}H_{11}N_5O_2$
Molecular Weight:	245.24
Target:	Raf; MEK
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Debromohymenialdisine (10Z-Debromohymenialdisine) is a pyrrole alkaloid. Debromohymenialdisine has moderate inhibitory activity with an IC_{50} value of 881 nM in the initial Raf/MEK-1/MAPK signaling cascade assay. Debromohymenialdisine can be used for the research of proliferation and differentiation[1].
IC_{50} & Target	IC50: 881 nM (in Raf/MEK-1/MAPK signaling cascade assay)[1].
In Vitro	Debromohymenialdisine has moderate inhibitory activity with an IC_{50} value of 881 nM in the initial Raf/MEK-1/MAPK signaling cascade assay[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Deniz Tasdemir, et al. Aldisine alkaloids from the Philippine sponge Stylissa massa are potent inhibitors of mitogen-activated protein kinase kinase-1 (MEK-1). J Med Chem. 2002 Jan 17;45(2):529-32.

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