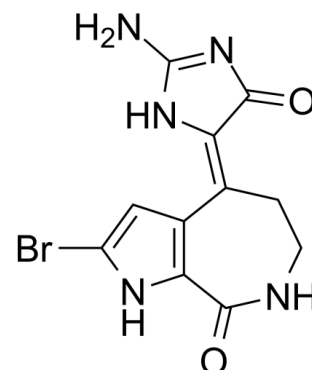


Data Sheet

Product Name:	10Z-Hymenialdisine
Cat. No.:	CS-0028972
CAS No.:	82005-12-7
Molecular Formula:	C ₁₁ H ₁₀ BrN ₅ O ₂
Molecular Weight:	324.13
Target:	AMPK; PDGFR; VEGFR
Pathway:	Epigenetics; PI3K/Akt/mTOR; Protein Tyrosine Kinase/RTK
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

10Z-Hymenialdisine ((Z)-Hymenialdisine) is a natural bioactive pyrrole alkaloid. 10Z-Hymenialdisine is a pan kinase inhibitor, and has anticancer activities^[1]. **In Vitro:** 10Z-Hymenialdisine displays a moderate effect on (ARK5, VEGFR-2, SAK and PDGFR) protein kinases. 10Z-Hymenialdisine shows a potent inhibition of RAF/MEK-1/MAPK cascade with an IC₅₀ value of 6 nM^[1].

References:

[1]. Ashraf N E Hamed, et al. Bioactive pyrrole alkaloids isolated from the Red Sea: marine sponge *Stylissa carteri*. Z Naturforsch C J Biosci. 2018 Apr 25;73(5-6):199-210.

CAIndexNames:

Pyrrolo[2,3-c]azepin-8(1H)-one, 4-(2-amino-1,5-dihydro-5-oxo-4H-imidazol-4-ylidene)-2-bromo-4,5,6,7-tetrahydro-, (4Z)-

SMILES:

O=C1C2=C(C=C(N2)Br)/C(CCN1)=C3C(N=C(N3)N)=O

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

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