10Z-Hymenialdisine
[Hymenialdisine; 4-(2-Amino-4-oxo-2-imidazolidin-5-ylidene)-2-bromo-4,5,6,7-tetrahydropyrrolo[2,3-c]azepin-8-one]

AG-CN2-0067-C500 500 µg
AG-CN2-0067-M001 1 mg

Formula $\text{C}_{11}\text{H}_{10}\text{BrN}_{5}\text{O}_{2}$
MW 324.1
CAS 82005-12-7

Handling / Storage
Shipping AMBIENT
Short Term Storage +4°C
Long Term Storage -20°C

Keep cool and dry. Keep under inert gas. Protect from light.

Use / Stability
Stable for at least 2 years after receipt when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications
Source/Host Isolated from sponge Axinella carteri.
Purity ≥97% (HPLC) (Contains traces of the 10E-isomer)
Identity Determined by $^1\text{H}$-NMR.
Appearance Yellow oil.
Solubility Soluble in DMSO.

Product Description

- Insecticidal and cytotoxic [1].
- Potent NF-κB inhibitor. Inhibits various pro-inflammatory cytokines such as IL-1, IL-2, IL-6, IL-8, TNF-α and nitric oxide (NO) in a variety of cell lines [2, 3, 4, 9].
- ATP-competitive kinase inhibitor. Inhibits DNA damage checkpoint at G2, cyclin-dependent kinases CDK1/cyclin B, CDK2/cyclin A, CDK2/cyclin E, CDK4/cyclin D1, CDK5/p25, GSK-3β and casein kinase 1 (CK1) [5, 6].
- Potent mitogen-activated protein kinase kinase-1 (MEK-1) inhibitor [7].
- MARK (microtubule affinity-regulating kinase) inhibitor [8].

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. MATERIAL SAFETY DATA: Review the complete Material Safety Data Sheet before use.
Product Specific References


