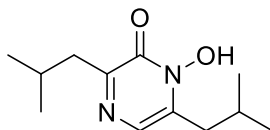


Neospergillic acid

Code No.: **BIA-N2978**

Pack sizes: **0.25 mg, 1 mg**



Synonyms :

Specifications

CAS #	: 2152-59-2
Molecular Formula	: C ₁₂ H ₂₀ N ₂ O ₂
Molecular Weight	: 224.3
Source	: <i>Aspergillus</i> sp.
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Neospergillic acid is a cyclic hydroxamic acid isolated in the 1960s, related to pyrazine and isolated from various *Aspergillus* sp.. Neospergillic acid shows significant inhibitory activities against some Gram positive and Gram-negative bacteria with MIC ranges of 0.5 - 16 µg/mL, and also exhibits moderate inhibitory activities against human cancer cell lines SPC-A-1, BEL-7402, SGC-7901 and K562 with IC50 ranges of 8 - 25 µg/mL.

References

1. Synthesis of neospergillic acid. Masaki M. et al. Tetrahedron Let. 1965, 52, 4837.
2. Biological evaluation of neospergillic acid, a pyrazine hydroxamic acid produced by mixed cultures of two marine-derived mangrove epiphytic fungi. Wan X. et al. Int Conf Biomed Eng Inf. 2010, 5, 1932.