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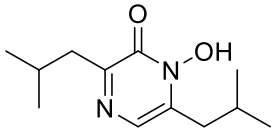
PRODUCT DATA SHEET

# Neoaspergillic acid

Code No.: **BIA-N2978**

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




Synonyms : -

## Specifications

| | | |
|---|---|---|
| CAS # | : | **2152-59-2** |
| Molecular Formula | : | **$C_{12}H_{20}N_2O_2$** |
| Molecular Weight | : | **224.3** |
| Source | : | ***Aspergillus* sp.** |
| Appearance | : | **White to off-white solid** |
| Purity | : | **>95% by HPLC** |
| Long Term Storage | : | **-20°C** |
| Solubility | : | **Soluble in methanol, DMSO.** |

## Application Notes

Neoaspergillic acid is a cyclic hydroxamic acid isolated in the 1960s, related to pyrazine and isolated from various Aspergillus sp.. Neoaspergillic 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 neoaspergillic acid. Masaki M. et al. Tetrahedron Let. 1965, 52, 4837.
2. Biological evaluation of neoaspergillic 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.

For in vitro laboratory use only. Not for human or animal use.

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