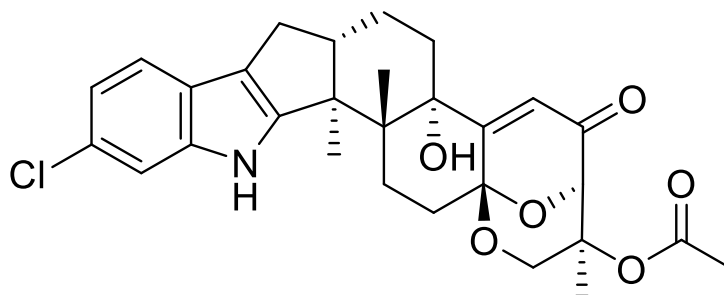


## Asperindole A

Code No.: **BIA-A3078**

Pack sizes: **1 mg, 5 mg**



Synonyms : -

### Specifications

|                   |   |
|-------------------|---|
| CAS #             | : 2416222-17-6                                      |
| Molecular Formula | : C <sub>29</sub> H <sub>32</sub> ClNO <sub>6</sub> |
| Molecular Weight  | : 526.0   |
| Source            | : <i>Aspergillus</i> sp.                            |
| Appearance        | : Yellow solid                                      |
| Purity            | : >95% by HPLC                                      |
| Long Term Storage | : -20°C   |
| Solubility        | : Soluble in methanol and DMSO.                     |

### Application Notes

Asperindole A is an indole-diterpene alkaloid first isolated from a marine-derived *Aspergillus* sp. by Ivanets et al., Russian Academy of Sciences, Vladivostok in 2018. Asperindole A is active against hormone therapy-resistant PC-3 and 22Rv1, as well as hormone therapy-sensitive human prostate cancer cells. Asperindole A induces apoptosis at low-micromolar concentrations. Asperindole A was inactive as a modulator of spontaneous Ca<sup>2+</sup> oscillations (SCOs) in primary cultured neocortical neurons.

### References

1. Ivanets E.V. et al. (2018). Asperindoles A-D and a p-terphenyl derivative from the ascidian-derived fungus *Aspergillus* sp. KMM 4676. *Mar. Drugs*, 16, 232.
2. Peng G-Y. et al. (2021). Neuronal modulators from the coral-associated fungi *Aspergillus candidus*. *Mar. Drugs*, 19, 281.

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