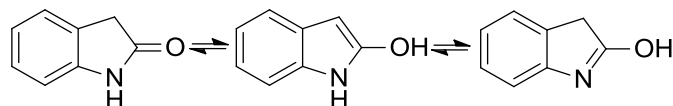


Oxindole

Code No.: **BIA-O1735**

Pack sizes: **5 mg, 25 mg**



Synonyms : 2-Indolinone, 2-Hydroxyindole

Specifications

CAS #	: 59-48-3
Molecular Formula	: C₈H₇NO
Molecular Weight	: 133.2
Source	: Synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Oxindole is a simple indole analogue isolated from both bacteria (*Chromobacterium violaceum*) and fungi (a basidiomycete, *Calyptella* sp. and an ascomycete, *Penicillium* sp.). Oxindole exists as the dominant tautomer of 2-hydroxyindole both in solution and as a solid. Oxindole has been reported as an inhibitor of phospholipase A2 and platelet aggregation. Its unusual distribution in microbes makes oxindole a useful standard for analytical and bioassay dereplication of crude microbial extracts.

References

1. Bacterial chemistry. VI. Biological activities and cytotoxicity of 1,3-dihydro-2H-indol-2-one derivatives. Haun M. et al., *Biol. Res.* 1992, 25, 21.
2. 5-Hydroxy-3-vinyl-2(5H)-furanone, a new inhibitor of human synovial phospholipase A2 and platelet aggregation from fermentations of a *Calyptella* species (Basidiomycetes). Lorenzen K. et al., *Z. Naturforsch.* 1995, 50c, 403.
3. A new inhibitor of synovial phospholipase A2 from fermentations of *Penicillium* sp. 62-92. Witter L. et al., *Z. Naturforsch.* 1998, 53c, 60.