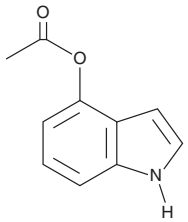
PRODUCT INFORMATION

4-Acetoxyindole

Item No. 46205

CAS Registry No.:	5585-96-6
Formal Name:	1H-indol-4-ol, 4-acetate
MF:	$C_{10}H_9NO_2$
FW:	175.2
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

4-Acetoxyindole is supplied as a solid. A stock solution may be made by dissolving the 4-acetoxyindole in the solvent of choice, which should be purged with an inert gas. 4-Acetoxyindole is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

4-Acetoxyindole is a synthetic intermediate.[1-3] It has been used in the synthesis of an antagonist of the prostaglandin E_2 (PGE_2; Item No. 14010) receptor subtype EP_3 and *Psilocybe* tryptamines.

References

1. Singh, J., Zeller, W., Zhou, N., *et a*l. Structure-activity relationship studies leading to the identification of (2*E*)-3-[l-[(2,4-dichlorophenyl)methyl]-5-fluoro-3-methyl-l*H*-indol-7-yl]-*N*-[(4,5-dichloro-2-thienyl) sulfonyl]-2-propenamide (DG-041), a potent and selective prostanoid EP3 receptor antagonist, as a novel antiplatelet agent that does not prolong bleeding. *J. Med. Chem.* **53**, 18-36 (2010).
2. Sherwood, A.M., Halberstadt, A.L., Klein, A.K., *et al.* Synthesis and biological evaluation of tryptamines found in hallucinogenic mushrooms: Norbaeocystin, baeocystin, norpsilocin, and aeruginascin. *J. Nat. Prod.* **83(2)**, 461-467 (2020).
3. Fricke, J., Lenz, C., Wick, J., *et al*. Production options for psilocybin: Making of the magic. *Chemistry* **25(4)**, 897-903 (2019).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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