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DATASHEET

Indole-3-acetamide

Product overview

Name	Indole-3-acetamide
Cat No	HB0341
Alternative names	3-Indolylacetamide; NSC 1969; IAM
Biological action	Inhibitor
Purity	>98%
Description	Competitive Tryptophan 2-monoxygenase oxidase inhibitor

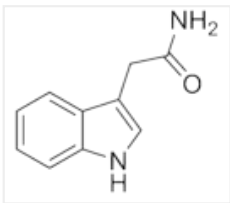
Biological Data

Biological description	Competitive Tryptophan 2-monoxygenase inhibitor. Intermediate of indole-3-acetic acid formation from L-tryptophan. Detoxifies several growth inhibiting tryptophan analogs.
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Solubility & Handling

Solubility overview	Soluble in methanol
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	174.2
Chemical structure	
Molecular Formula	C ₁₀ H ₁₀ N ₂ O
CAS Number	879-37-8
PubChem identifier	397
SMILES	C1=CC=C2C(=C1)C(=CN2)CC(=O)N

References

Biosynthesis of indole-3-acetic acid via the indole-3-acetamide pathway in *Streptomyces* spp.

Manulis S *et al* (1994) Microbiology 140 (Pt 5)

PubMedID [8025670](#)

Characterization of 2-oxo-3-pentynoate as an active-site-directed inactivator of flavoprotein oxidases: identification of active-site peptides in tryptophan 2-monoxygenase.

Gadda G *et al* (1999) Biochemistry 38(18)

PubMedID

10231533

Indole inhibitors of human nonpancreatic secretory phospholipase A2. 1. Indole-3-acetamides.

Dillard RD *et al* (1996) J Med Chem 39(26)

PubMedID

9005255
