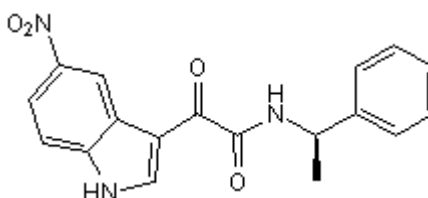


Product Name: TCS 1205
CAS Number: 355022-97-8
IUPAC Name: 5-Nitro- α -oxo-*N*-(1*R*)-phenylethyl]-1*H*-indole-3-acetamide

Catalog No.: 3941 **Batch No.:** 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₅N₃O₄
Batch Molecular Weight: 337.33
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.6 (Dichloromethane:Methanol [9:1])
HPLC: Shows 99.6% purity
Chiral HPLC: Shows >99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = -45.7 (Concentration = 1.2, Solvent = DMF)

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	64.09	4.48	12.46
Found	63.97	4.54	12.41

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: 5-Nitro- α -oxo-*N*-(1*R*)-phenylethyl]-1*H*-indole-3-acetamide

Description:

GABA_A α 2 agonist and GABA_A α 1 partial agonist in vitro (K_i values are 14 and 121 nM respectively). Exhibits non-sedative anxiolytic activity in vivo.

Physical and Chemical Properties:

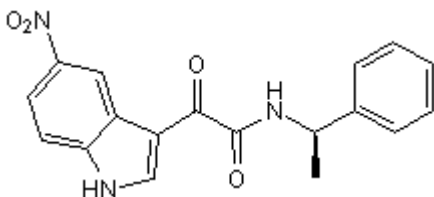
Batch Molecular Formula: C₁₈H₁₅N₃O₄

Batch Molecular Weight: 337.33

Physical Appearance: Yellow solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Primofiore et al (2001) Novel *N*-(arylalkyl)indol-3-ylglyoxylamides targeted as ligands of the benzodiazepine receptor: synthesis, biological evaluation, and molecular modeling analysis of the structure-activity relationships. *J.Med.Chem.* **44** 2286. PMID: 11428922.

Taliani et al (2009) Identification of anxiolytic/nonsedative agents among indol-3-ylglyoxylamides acting as functionally selective agonists at the γ -aminobutyric acid-A (GABA_A) κ ₂ benzodiazepine receptor. *J.Med.Chem.* **52** 3723. PMID: 19469479.

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