

Product Name: OR-486

Catalog No.: 0483

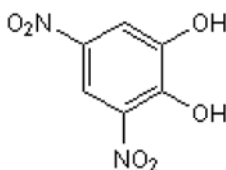
Batch No.: 8

CAS Number: 7659-29-2

IUPAC Name: 3,5-Dinitrocatechol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆H₄N₂O₆
Batch Molecular Weight: 200.11
Physical Appearance: Yellow solid
Solubility: ethanol to 100 mM
 DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	36.01	2.01	14
Found	36.36	2.01	13.88

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Name: OR-486

Catalog No.: 0483

8

CAS Number: 7659-29-2

IUPAC Name: 3,5-Dinitrocatechol

Description:

OR-486 is a potent and selective inhibitor of catechol-O-methyltransferase.

Physical and Chemical Properties:

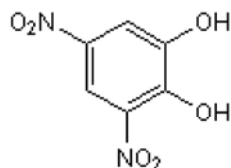
Batch Molecular Formula: C₆H₄N₂O₆

Batch Molecular Weight: 200.11

Physical Appearance: Yellow solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

ethanol to 100 mM

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:

Mannisto and Kaakola (1990) Rationale for selective COMT inhibitors as adjuncts in the drug treatment of Parkinson's disease. *Pharmacol.Toxicol.* **66** 317. PMID: 2196554.

Borgulya et al (1989) Catechol-O-methyltransferase-inhibiting pyrocatechol derivatives: synthesis and structure-activity studies. *Helv.Chim.Acta* **72** 952.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956