

Certificate of Analysis

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Product Name: BML-190

Catalog No.: 1383

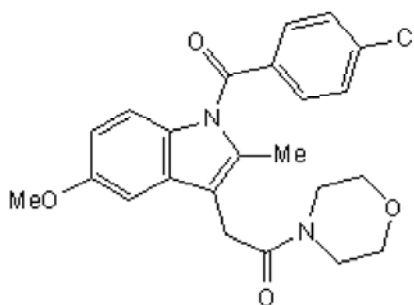
Batch No.: 2

CAS Number: 2854-32-2

IUPAC Name: 1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1-[2-(4-morpholinyl)-2-oxoethyl]-1*H*-indole

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₃ H ₂₃ ClN ₂ O ₄
Batch Molecular Weight:	426.9
Physical Appearance:	White solid
Solubility:	DMSO to 100 mM with gentle warming
Storage:	Store at RT
Batch Molecular Structure:	



2. ANALYTICAL DATA

TLC:	R _f = 0.78 (Dichloromethane:Methanol [9:1])
Melting Point:	Between 166 - 168°C
HPLC:	Shows >99.9% purity
¹H NMR:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	64.71	5.43	6.56
Found	64.78	5.51	6.54

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

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IUPAC Name: 1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1-[2-(4-morpholinyl)-2-oxoethyl]-1*H*-indole

Description:

Potent and selective CB₂ receptor ligand (K_i values are 435 nM and > 2 μM for CB₂ and CB₁ respectively).

Physical and Chemical Properties:

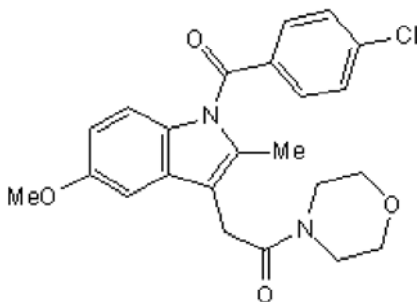
Batch Molecular Formula: C₂₃H₂₃ClN₂O₄

Batch Molecular Weight: 426.9

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM with gentle warming

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.

Other Information:

INFORMATION FOR CUSTOMERS IN THE UK ONLY

This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

References:

Melck *et al* (2000) Suppression of nerve growth factor Trk receptors and prolactin receptors by endocannabinoids leads to inhibition of human breast and prostate cancer cell proliferation. *Endocrinology* **141** 118. PMID: 10614630.

Gallant *et al* (1996) New class of potent ligands for the human peripheral cannabinoid receptor. *Bioorg.Med.Chem.Lett.* **6** 2263.

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