

Product Name: ML 385

Catalog No.: 6243

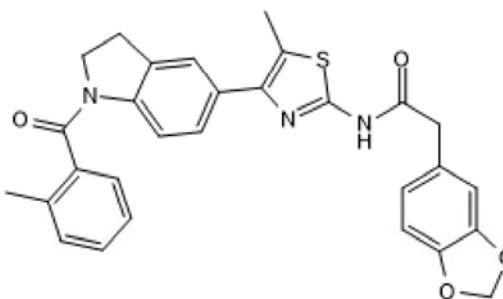
Batch No.: 1

CAS Number: 846557-71-9

IUPAC Name: *N*-[4-[2,3-Dihydro-1-(2-methylbenzoyl)-1*H*-indol-5-yl]-5-methyl-2-thiazolyl]-1,3-benzodioxole-5-acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₉H₂₅N₃O₄S
Batch Molecular Weight: 511.59
Physical Appearance: White solid
Solubility: DMSO to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.08	4.93	8.21
Found	67.72	4.91	8.15

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

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Description:

ML 385 is an Nrf2 inhibitor. Blocks Nrf2 downstream target gene expression. Enhances cytotoxic effects of doxorubicin (Cat. No. 2252) or Taxol (Cat. No. 1097) in non-small cell lung cancer (NSCLC). Demonstrates selectivity for NSCLC cells with KEAP1 mutations.

Physical and Chemical Properties:

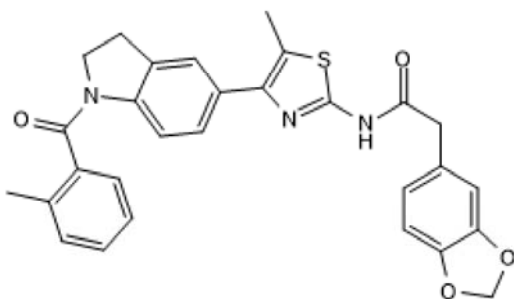
Batch Molecular Formula: C₂₉H₂₅N₃O₄S

Batch Molecular Weight: 511.59

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 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:

Singh et al (2016) Small molecule inhibitor of NRF2 selectively intervenes therapeutic resistance in KEAP1-deficient NSCLC tumors. *ACS Chem.Biol.* **11** 3214. PMID: 27552339.

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