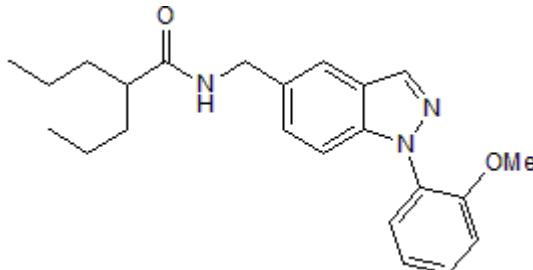


Certificate of Analysiswww.tocris.com**Product Name:** M 25**Catalog No.:** 4917**Batch No.:** 1**IUPAC Name:** N-[1-(2-Methoxyphenyl)-1*H*-indazol-5-yl]methyl]-2-propylpentanamide**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₂₃H₂₉N₃O₂**Batch Molecular Weight:** 379.5**Physical Appearance:** Orange solid**Solubility:** DMSO to 100 mM
ethanol to 100 mM**Storage:** Store at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.29 (Ethyl acetate:Petroleum ether [1:2])**HPLC:** Shows >99.6% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 72.79 7.7 11.07

Found 72.78 7.82 11.02

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Product Information

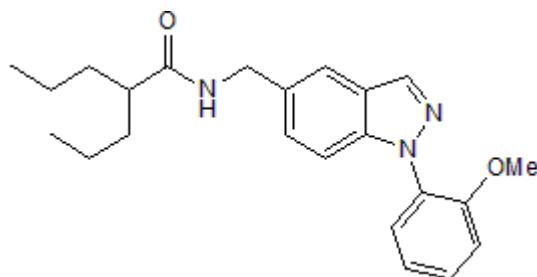
Product Name: M 25**Catalog No.:** 4917**Batch No.:** 1IUPAC Name: N-[1-(2-Methoxyphenyl)-1*H*-indazol-5-yl]methyl]-2-propylpentanamide**Description:**

Potent Smoothened (Smo) receptor antagonist ($IC_{50} = 5$ nM). Inhibits the Hedgehog signaling pathway. Inhibits Shh induced Gli luciferase reporter activity in Shh-light 2 cells ($IC_{50} = 5$ nM). Antagonizes GSA-10 and SAG-mediated differentiation of the C3H10T1/2 cell line (IC_{50} values are 69 and 115 nM, respectively).

Physical and Chemical Properties:Batch Molecular Formula: C₂₃H₂₉N₃O₂

Batch Molecular Weight: 379.5

Physical Appearance: Orange solid

Minimum Purity: >98%**Batch Molecular Structure:****Storage:** Store at +4°C**Solubility & Usage Info:**DMSO to 100 mM
ethanol 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:

Dessole *et al* (2009) Discovery of *N*-(1-aryl-1*H*-indazol-5-yl)methyl]amides derivatives as smoothened antagonists for inhibition of the hedgehog pathway. *Bioorg.Med.Chem.Lett.* **19** 4191. PMID: 19540115.

Gorjankina *et al* (2013) Discovery, molecular and pharmacological characterization of GSA-10, a novel small-molecule positive modulator of Smoothened. *Mol.Pharmacol.* **83** 1020. PMID: 23448715.

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