

Product Name: DY 268

Catalog No.: 5656

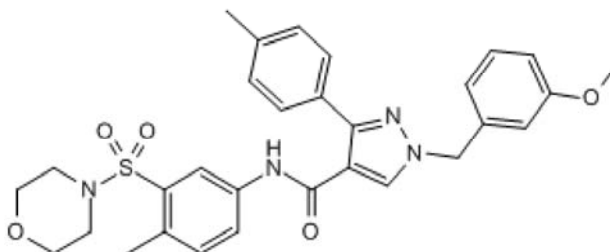
Batch No.: 1

CAS Number: 1609564-75-1

IUPAC Name: 1-[(3-Methoxyphenyl)methyl]-N-[4-methyl-3-(4-morpholinylsulfonyl)phenyl]-3-(4-methylphenyl)-1*H*-pyrazole-4-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₀H₃₂N₄O₅S
Batch Molecular Weight: 560.66
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Dichloromethane:Ethyl acetate [4:1])
HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	64.27	5.75	9.99
Found	64.45	5.64	10

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

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Description:

Potent FXR antagonist (IC₅₀ = 7.5 nM). Exhibits no detectable cytotoxicity in cell-based assays.

Physical and Chemical Properties:

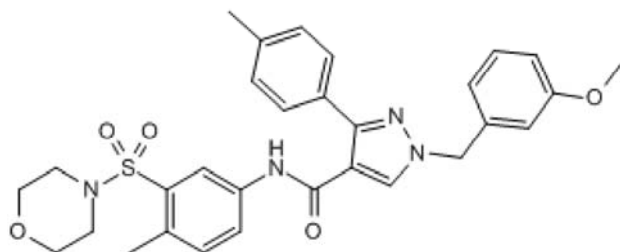
Batch Molecular Formula: C₃₀H₃₂N₄O₅S

Batch Molecular Weight: 560.66

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

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.

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.

Licensing Information:

Sold under license from the Beckman Research Institute of the City of Hope.

References:

Yu *et al* (2014) Identification of trisubstituted-pyrazol carboxamide analogs as novel and potent antagonists of farnesoid X receptor. *Bioorg.Med.Chem.* **22** 2919. PMID: 24775917.

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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