

Product Name: Exo1

Catalog No.: 1850

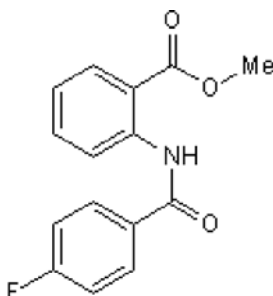
Batch No.: 1

CAS Number: 461681-88-9

IUPAC Name: 2-[(4-Fluorobenzoyl)amino]-benzoic acid methyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₂FNO₃
Batch Molecular Weight: 273.26
Physical Appearance: White solid
Solubility: ethanol to 25 mM with gentle warming
 DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.25 (Ethyl acetate:Petroleum ether [1:9])
Melting Point: Between 135 - 136°C
HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
¹³C NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.93	4.43	5.12
Found	65.89	4.37	5.06

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

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Description:

Reversible inhibitor of vesicular trafficking between endoplasmic reticulum and Golgi apparatus. Modifies Golgi ADP-ribosylation factor (ARF)1 GTPase activity and inhibits exocytosis (IC₅₀ ~ 20 μM). Has similar, but not identical, action to brefeldin A (Cat. No. 1231).

Physical and Chemical Properties:

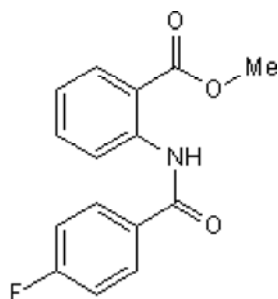
Batch Molecular Formula: C₁₅H₁₂FNO₃

Batch Molecular Weight: 273.26

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



References:

Feng *et al* (2003) Exo1: A new chemical inhibitor of the exocytic pathway. *Proc.Natl.Acad.Sci.U.S.A.* **100** 6469. PMID: 12738886.

Storage: Store at RT

Solubility & Usage Info:

ethanol to 25 mM with gentle warming
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.

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