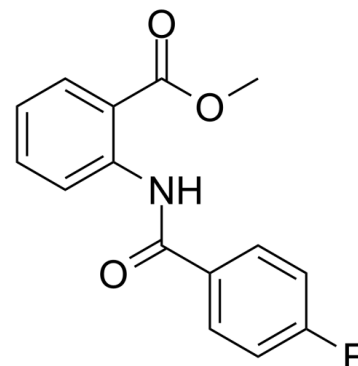


Data Sheet

Product Name:	Exo1
Cat. No.:	CS-0059209
CAS No.:	75541-83-2
Molecular Formula:	C ₁₅ H ₁₂ FNO ₃
Molecular Weight:	273.26
Target:	Others
Pathway:	Others
Solubility:	DMSO : 25 mg/mL (91.49 mM; Need ultrasonic); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Exo1 is a chemical inhibitor of the **exocytic pathway**. **In Vitro:** Exo1 is a modifier of Golgi ARF1 GTPase activity. Because Exo1 affects a subset of the membrane events that are blocked by BFA, but seems to have a different protein target (and presumably has different side effects), it provides an independent means to interfere with Golgi activity. Exo1 Disrupts Vesicular Traffic from the ER to the Golgi apparatus by disrupting Golgi structures. Exo1 inhibits exocytosis with an IC₅₀ of ~20 μM. Exo1 prevents acquisition of endoglycosidase H resistance by newly synthesized proteins such as VSVGts-GFP, transferrin, and MHC class I^[1].

References:

[1]. Feng Y, et al. Exo1: a new chemical inhibitor of the exocytic pathway. Proc Natl Acad Sci U S A. 2003 May 27;100(11):6469-74.

CAIndexNames:

Benzoic acid, 2-[(4-fluorobenzoyl)amino]-, methyl ester

SMILES:

O=C(OC)C1=CC=CC=C1NC(=O)C2=CC=C(F)C=C2=O

Caution: Product has not been fully validated for medical applications. For research use only.

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