

Certificate of Analysis

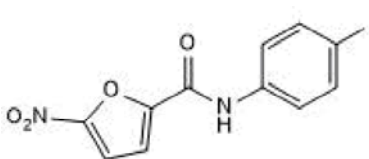
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Product Name: C 176
CAS Number: 314054-00-7

Catalog No.: 7040 **Batch No.:** 2

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁H₇IN₂O₄
Batch Molecular Weight: 358.09
Physical Appearance: gold solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	36.9	1.97	7.82
Found	36.92	1.93	7.81

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

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

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CAS Number: 314054-00-7

Catalog No.: 7040 **Batch No.:** 2

Description:

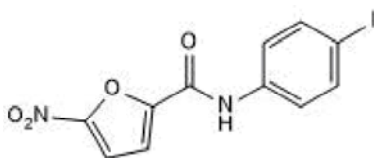
mSTING antagonist. Covalently binds Cys91 of mouse but not human STING. Blocks activation-induced palmitoylation of STING and formation of STING clusters. Reduces CMA (Cat. No. 6677) -induced increase in serum IFNs in vivo and suppresses systemic inflammation in a mouse inflammatory disease model.

Physical and Chemical Properties:

Batch Molecular Formula: C₁₁H₇IN₂O₄
Batch Molecular Weight: 358.09
Physical Appearance: gold solid

Minimum Purity: ≥97%

Batch Molecular Structure:



References:

Haag *et al* (2018) Targeting STING with covalent small-molecule inhibitors. *Nature* **559** 269. PMID: 29973723.

Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

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.

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