

FOCUS BIOMOLECULES

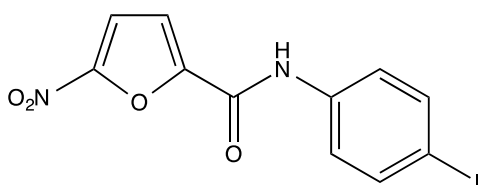
Catalog # 10-4130

C-176

CAS# 314054-00-7

N-(4-Iodophenyl)-5-nitrofuran-2-carboxamide

Lot # FBA6063



C-176 is an inhibitor of the signaling molecule STING in mouse cells. It covalently binds to Cys91 of STING preventing activation *via* blockade of palmitoylation at Cys91. Treatment of *Trex^{-/-}* mice with C-176 resulted in a significant reduction in serum levels of Type I Interferons and amelioration of systemic inflammation.

1) Haag *et al.* (2018), *Targeting STING with covalent small-molecule Inhibitors*; Nature **559** 269

PHYSICAL DATA

| | |
|------------------------|--|
| Molecular Weight: | 358.09 |
| Molecular Formula: | C ₁₁ H ₇ IN ₂ O ₄ |
| Purity: | >98% |
| | NMR: (Conforms) |
| Solubility: | DMSO (25 mg/mL) |
| Physical Description: | Yellow/Gold solid |
| Storage and Stability: | Store as supplied at -20°C for up to 1 year from the date of purchase. Protect from light and air. Solutions in degassed DMSO may be stored at -20°C for up to 2 months. |

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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