

C-176, STING antagonist

Catalog	Unit
TBI4130-10MG	10 mg
TBI4130-50MG	50 mg

Product Details

Formal Name: N-(4-Iodophenyl)-5-nitrofuran-2-carboxamide

Molecular Formula: C₁₁H₇IN₂O₄

Formula Weight: 358.09

CAS Number: 314054-00-7

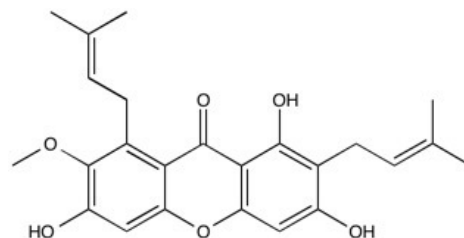
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

STING antagonist

Functions

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.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.