

MSA-2, STING agonist

Catalog	Unit
TBI4141-5MG	5 mg
TBI4141-25MG	25 mg

Product Details

Formal Name: 4-(5,6-Dimethoxy-1-benzothiophen-2-yl)-4-oxobutanoic acid

Molecular Formula: C₁₄H₁₄O₅S

Formula Weight: 294.3

CAS Number: 129425-81-6

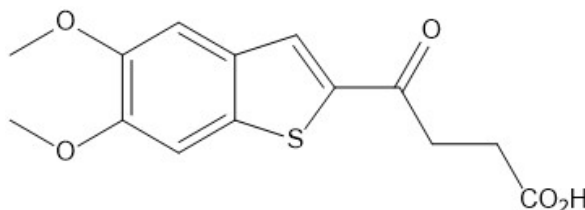
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

STING agonist

Functions

Non-nucleotide-based orally available STING agonist. The active agent is a non-covalent dimer that forms in solution. It displays substantially higher potency in an acidified tumor microenvironment. It reversed anti-PD-1 therapy resistance in cervical cancer. MSA-2 displayed efficacy against clear cell renal cell carcinoma and enhanced natural killer cells against breast cancer stem cells.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.