

DC-Y13-27, YTHDF2 inhibitor

Catalog	Unit
TBI4884-5MG	5 mg
TBI4884-25MG	25 mg

Product Details

Formal Name: (E)-2-Cyano-3-[5-(3-hydroxyphenyl)thiophen-2-yl]prop-2-enamide

Alternate Names: (E)-2-Cyano-3-[5-(3-hydroxyphenyl)thiophen-2-yl]acrylamide

Molecular Formula: C₁₄H₁₀N₂O₂S

Formula Weight: 270.3

CAS Number: 3069691-93-6

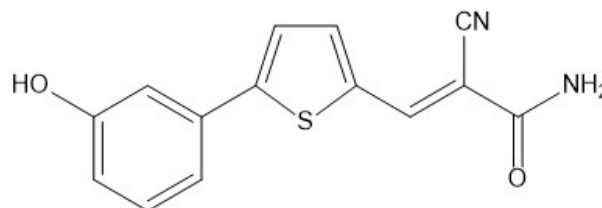
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to at least 50 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

YTHDF2 inhibitor

Functions

Inhibitor (IC₅₀ = 21.8 μM) of the RNA N6-methyladenosine (m6A) reader YTHDF2. It significantly enhanced tumor growth inhibition in MC38 murine models in conjunction with radiotherapy and/or anti-PD-L1 therapy via an increase in the number of CD8⁺ T cells.

Application Procedures

First dissolved in Soluble in DMSO (up to at least 50 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.