

Catalog	Unit
TBI3935-5MG	5 mg
TBI3935-25MG	25 mg

Product Details

Formal Name: N-(3-Cyano-4-methyl-1H-indol-7-yl)-3-cyanobenzenesulfonamide

Molecular Formula: C₁₇H₁₂N₄O₂S

Formula Weight: 336.4

CAS Number: 289483-69-8

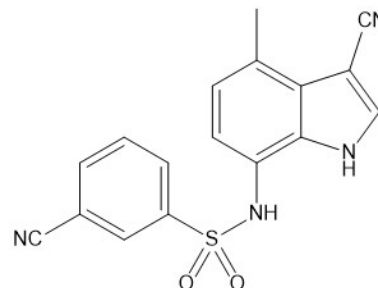
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

RBM39 molecular glue

Functions

Angiogenesis inhibitor that suppresses expression of integrins $\alpha 2$, $\alpha 3$, $\alpha 5$, and $\beta 1$. Broad-spectrum antitumor and antiangiogenic effects are mainly mediated via integrin $\alpha 2$ suppression. E7820 has been identified as a molecular glue that induces proteasomal degradation of the U2AF-related splicing factor CAPER α (RBM39) via CRL4^{DCAF15} mediated ubiquitination in human cancer cell lines. E7820 has also been shown to induce degradation of the aryl hydrocarbon receptor nuclear translator (ARNT), a protein essential in maintaining cellular homeostasis in response to environmental stress.

Application Procedures

First dissolved in DMSO (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.