

Catalog	Unit
TBI4185-5MG	5 mg
TBI4185-25MG	25 mg

Product Details

Formal Name: 1-(4-Fluorophenyl)-3-(4-sulfamoylphenyl)urea

Alternate Names: U-104

Molecular Formula: C₁₃H₁₂FN₃O₃S

Formula Weight: 309.3

CAS Number: 178606-66-1

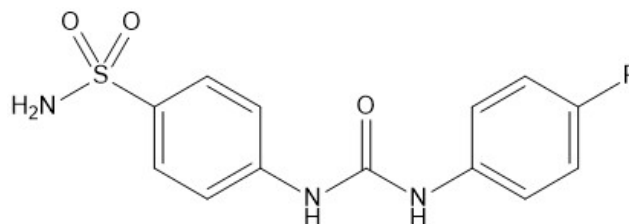
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

Carbonic anhydrase IX/XII inhibitor

Functions

Potent inhibitor of carbonic anhydrases IX and XII (K_i = 45 nM IX; 4.5 nM XII). Active in multiple cancer models and has displayed synergism with conventional chemotherapy. SLC-0111 upregulated CD8⁺ T cells in murine pancreatic cancer models and improved responses to immune checkpoint inhibitors.

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.