

Fasentin, Glucose uptake inhibitor

Catalog	Unit
TBI3730-5MG	5 mg
TBI3730-25MG	25 mg

Product Details

Formal Name: N-[4-Chloro-3-(trifluoromethyl)phenyl]-3-oxobutanamide

Molecular Formula: C₁₁H₉ClF₃NO₂

Formula Weight: 279.64

CAS Number: 392721-37-8

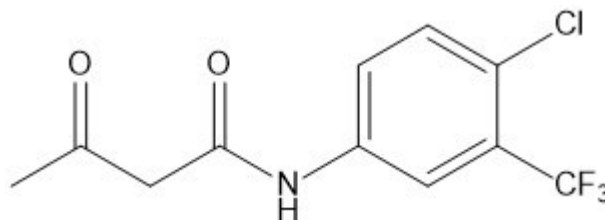
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO up to 28 mg/ml

Storage: RT

Stability: ≥ 2 years.



Applications

Glucose uptake inhibitor

Functions

A novel inhibitor of glucose uptake which acts via inhibition of the glucose transporter GluT1 and GluT4 (IC₅₀=68 μM). Inhibition of glucose uptake is cell type specific and is a promising approach to new cancer therapeutics. Rescues cardiac progenitor cell dysfunction and mitochondrial fission induced by high glucose⁴. Sensitizes cells to FAS-induced cell death.

Application Procedures

First dissolved in DMSO up to 28 mg/ml, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.