

BML283, PKM2 activator

Catalog	Unit
TBI4561-5MG	5 mg
TBI4561-25MG	25 mg

Product Details

Formal Name: 1-(2,3-Dihydrobenzo[b][1,4]dioxin-6-ylsulfonyl)-4-(4-methoxyphenylsulfonyl)piperazine

Alternate Names: ML083

Molecular Formula: C₁₉H₂₂N₂O₇S₂

Formula Weight: 454.51

CAS Number: 562867-96-3

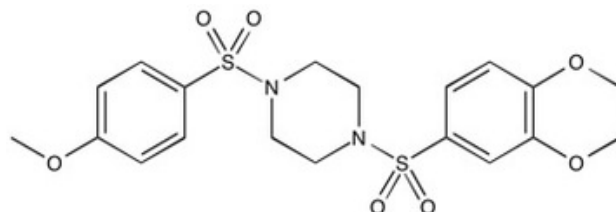
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

PKM2 activator

Functions

BML283 is a selective activator of the Tumor Specific M2 Isoform of Pyruvate Kinase (PKM2) - AC50 = 111nM. PKM2 activity is downregulated in most cancer cells leading to a decrease in catabolic metabolism and an increase in anabolic metabolism. BML283 is an important tool for studying the effects of PKM2 and cancer metabolism.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 2 months.

For research use only.