

PRODUCT: **DASA-58**

RELATED PRODUCTS:

DASA-58 (**B2163**)

ALTERNATE NAME: 3-((4-((2,3-dihydrobenzo[b][1,4]dioxin-6-yl)sulfonyl)-1,4-diazepan-1-yl)sulfonyl)aniline; ML-203

CATALOG #: B2163-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₂₃N₃O₆S₂

MOLECULAR WEIGHT: 453.53

CAS NUMBER: 1203494-49-8

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (>50 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from light and light

DESCRIPTION: DASA-58 is a selective activator of pyruvate kinase M2 (PKM2) (AC₅₀ = 38 nM). DASA-58 converts PKM2 to a constitutively active enzyme state that is resistant to inhibition by tyrosine-phosphorylated protein. In cancer, the altered glucose metabolism can be influenced by the regulatory properties of PKM2.

REFERENCES: Anastasiou, D., *et al.* (2012). *Nat. Chem. Biol.* **8**, 839-847.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**