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Data Sheet

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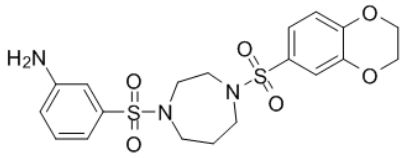
Product Name	:	DASA-58
Cat. No.	:	PC-45611
CAS No.	:	1203494-49-8
Molecular Formula	:	$C_{19}H_{23}N_3O_6S_2$
Molecular Weight	:	453.5324
Target	:	Pyruvate Kinase
Solubility	:	DMSO: ≥ 35 mg/mL



Biological Activity

DASA-58 (DASA58) is a potent activator of **PKM2** (pyruvate kinase M2) with AC50 of 38 nM, shows no activity on PKM1 in vitro.
DASA-58 binds to PKM2 at the subunit interaction interface site that is distinct from that of the endogenous activator FBP.
DASA-58 inhibits LPS-induced HIF-1α and IL-1β, as well as the expression of a range of other HIF-1α-dependent genes.

References

Anastasiou D, et al. ***Nat Chem Biol***. 2012 Oct;8(10):839-47.

Palsson-McDermott EM, et al. ***Cell Metab***. 2015 Jan 6;21(1):65-80.

Giannoni E, et al. ***Oncotarget***. 2015 Sep 15;6(27):24061-74.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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