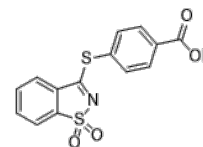


**Product Name** : NCGC00188636  
**Cat. No.** : PC-26938  
**CAS No.** : 1039980-33-0  
**Molecular Formula** : C<sub>14</sub>H<sub>9</sub>NO<sub>4</sub>S<sub>2</sub>  
**Molecular Weight** : 319.35  
**Target** : Pyruvate Kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

NCGC00188636 (DBS) is a covalent inhibitor of pyruvate kinase (PYK) with IC<sub>50</sub> of *Leishmania mexicana* PYK (LmPYK), inhibits both HsRPYK (the human PYK isoenzyme present in erythrocytes) and HsM2PYK (the human PYK isoenzyme present in embryonic and tumour cells) with IC<sub>50</sub> values of 8 μM and 16.3 μM, respectively. NCGC00188636 (DBS) blocks nucleotide binding to the active site of pyruvate kinase, reacts with Lys335 at the active site of LmPYK.

## References

Hugh P Morgan, et al. *Biochem J.* 2012 Nov 15;448(1):67-72.

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

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