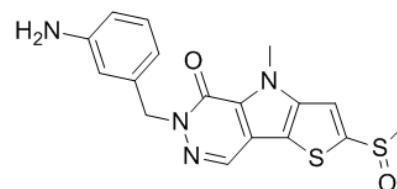


**Product Name** : TEPP-46  
**Cat. No.** : PC-45505  
**CAS No.** : 1221186-53-3  
**Molecular Formula** : C<sub>17</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 372.4645  
**Target** : Pyruvate Kinase  
**Solubility** : DMSO: ≥ 28 mg/mL



## Biological Activity

TEPP-46 (ML265) is a potent activator of **PKM2** (pyruvate kinase M2) with IC<sub>50</sub> of 92 nM.

TEPP-46 shows no activity on PKM1 in vitro.

TEPP-46 binds to PKM2 at the subunit interaction interface site that is distinct from that of the endogenous activator FBP.

TEPP-46 inhibits xenograft tumor growth and orally bioactive.

## References

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

Qi W, et al. *Nat Med.* 2017 Apr 24. doi: 10.1038/nm.4328.

Witney TH, et al. *Sci Transl Med.* 2015 Oct 21;7(310):310ra169.

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

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