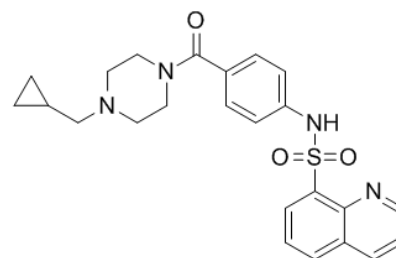


Product Name : Mitapivat
Cat. No. : PC-43151
CAS No. : 1260075-17-9
Molecular Formula : C₂₄H₂₆N₄O₃S
Molecular Weight : 450.5533
Target : Pyruvate Kinase
Solubility : 10 mM in DMSO



Biological Activity

Mitapivat (PKM2 activator 1020, AG-348) is a first-in-class, allosteric activator of **Pyruvate kinase (PK)** with mean AC50 of 29 nM (PK-R), activates a spectrum of recombinant mutant PK-R enzymes (R532W, R510Q).

AG-348 can increase the activity of wild-type and mutant PK enzymes in biochemical assays and in patient red blood cells treated ex vivo.

AG-348 demonstrates enhanced glycolytic pathway activity in PK-deficient RBCs that contain a variety of mutations.

References

Qi W, et al. *Nat Med.* 2017 Jun;23(6):753-762.

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

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