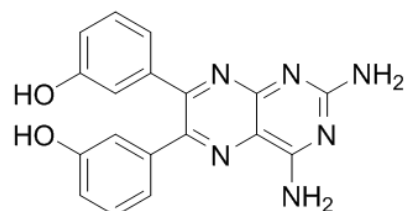


Product Name : TG100-115
Cat. No. : PC-42319
CAS No. : 677297-51-7
Molecular Formula : C₁₈H₁₄N₆O₂
Molecular Weight : 346.3428
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

TG100-115 (TG100115) is a potent, selective **PI3K γ / δ** with IC₅₀ of 83/235 nM, respectively. TG100-115 shows no significant inhibitory activity against p13K α and β , and a broad panel of kinases (IC₅₀>1 μ M). TG100-115 potently inhibits edema and inflammation in response to multiple mediators known to participate in myocardial infarction, such as VEGF and platelet-activating factor, without effect on endothelial cell mitogenesis. TG100-115 provides potent cardioprotection, reduces infarct development and preserves myocardial function in animal MI models.

References

- Doukas J, et al. *Proc Natl Acad Sci U S A*. 2006 Dec 26;103(52):19866-71.
Doukas J, et al. *J Pharmacol Exp Ther*. 2009 Mar;328(3):758-65.
Kaneda MM, et al. *Cancer Discov*. 2016 Aug;6(8):870-85.

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

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