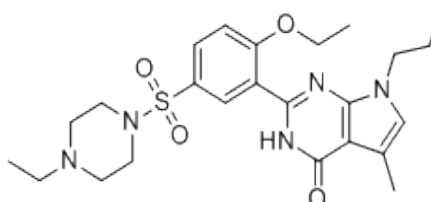


Data Sheet

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Product Name	:Yonkenafil (Tunodafil)
Cat.No.	:URK-V2448
CAS No.	:804518-63-6
Molecular Formula	:C ₂₄ H ₃₃ N ₅ O ₄ S
Molecular Weight	:487.619
Target	:
Solubility	:



Biological Activity

Yonkenafil, also known by the name Tunodafil, is a novel medication that belongs to the class of phosphodiesterase type-5 (PDE5) inhibitors. It is used to treat erectile dysfunction (ED) in men and pulmonary arterial hypertension (PAH). The unique feature of Yonkenafil is its dual action that not only boosts the blood flow to the penis but also relaxes the smooth muscles in the lungs, which lessens the burden on the heart.

The active ingredient in Yonkenafil is a potent inhibitor of PDE5, an enzyme that breaks down cyclic guanosine monophosphate (cGMP). This inhibition results in the accumulation of cGMP, which triggers the dilation of blood vessels, leading to increased blood flow to the penis and the lungs. This enhanced blood flow helps to achieve and maintain an erection in men and relieve the symptoms of PAH.

One of the most significant advantages of Yonkenafil over other PDE5 inhibitors is its long-lasting effect. The medication can last for up to 36 hours, offering men more flexibility and spontaneity in their sex lives. Additionally, Yonkenafil has fewer side effects compared to other PDE5 inhibitors, making it a safe and reliable medication for men with ED and PAH.

References

- Chen X, et al. Exp Neurol. 2014 Nov;261:267-77.
Zhu L, et al. Mech Ageing Dev. 2015 Sep;150:34-45.

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