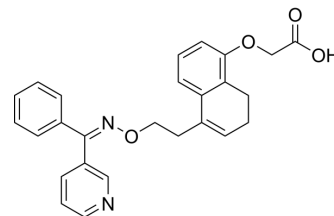


(Z)-ONO 1301

Cat. No.:	HY-106961A		
CAS No.:	153814-74-5		
Molecular Formula:	C ₂₆ H ₂₄ N ₂ O ₄		
Molecular Weight:	428.48		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

(Z)-ONO 1301 is the isomer of ONO 1301 (HY-106961), and can be used as an experimental control. ONO 1301 (ONO-AP 500-02), a prostaglandin (PG) I₂ mimetic, is an orally active, long-acting prostacyclin agonist with thromboxane-synthase inhibitory activity. ONO 1301 promotes production of hepatocyte growth factor (HGF) from various cell types and ameliorates ischemia-induced left ventricle dysfunction in the mouse, rat and pig^{[1][2][3]}.

REFERENCES

- [1]. Hirata Y, et al. Beneficial effect of a synthetic prostacyclin agonist, ONO-1301, in rat autoimmune myocarditis model. *Eur J Pharmacol.* 2013;699(1-3):81-87.
- [2]. Kashiwagi H, et al. The novel prostaglandin I₂ mimetic ONO-1301 escapes desensitization in an antiplatelet effect due to its inhibitory action on thromboxane A₂ synthesis in mice. *J Pharmacol Exp Ther.* 2015;353(2):269-278.
- [3]. Kanayama S, et al. ONO-1301 Enhances in vitro Osteoblast Differentiation and in vivo Bone Formation Induced by Bone Morphogenetic Protein. *Spine (Phila Pa 1976).* 2018;43(11):E616-E624.

Caution: Product has not been fully validated for medical applications. For research use only.

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