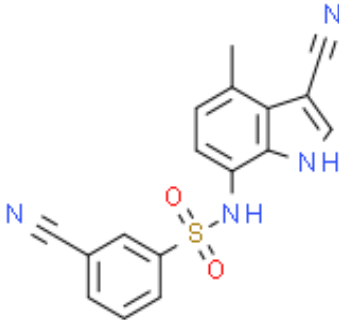


## Product Data Sheet

Cas No.:	289483-69-8	Cat. No:	PL07446
Product Name:	E7820		
Product synonym:	3-氰基-N-(3-氰基-4-甲基-1H-吡啶-7-基)苯磺酰胺		
Chemical name:	E7820		
MF:	C17H12N4O2S	FW:	336.367781639099
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=S(=O)(NC1C2NC=C(C#N)C=2C(C)=CC=1)C1C=C(C#N)C=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

E7820 (ER68203-00) 是一种具有口服活性芳香族磺酰胺衍生物，是一种独特的血管生成 (angiogenesis) 抑制剂，可抑制内皮上整合素 α2 (integrin alpha2) 亚基的表达。E7820 抑制大鼠主动脉血管生成，IC50 为 0.11 μg/ml。E7820 调节 α-1, α-2, α-3 和 α-5 整合素 mRNA 表达。具有抗血管生成和抗肿瘤活性。

生物活性	E7820 (ER68203-00), an orally active aromatic sulfonamide derivative, is a unique angiogenesis inhibitor suppressing an expression of integrin alpha2 subunit on endothelium. E7820 inhibits rat aorta angiogenesis with an IC 50 of 0.11 μg/ml. E7820 modulates α-1, α-2, α-3, and α-5 integrin mRNA expression. Antiangiogenic and antitumor activity.
体外研究(In Vitro)	E7820 (ER68203-00) inhibits both bFGF- and VEGF-driven tube formation of human umbilical vascular endothelial cell (HUVEC) in a dose-dependent manner with IC50 of 0.20 and 0.24 μg/ml, respectively. E7820 inhibits proliferation of HUVEC induced by either bFGF or VEGF in serum-free medium (SFM). The IC50 values are 0.10 and 0.081 μg/ml, respectively. Antiproliferative activity of E7820 against both WiDr and LoVo cells is very weak compared with that against HUVEC. The values of IC50 were 29 and 15 μg/ml, respectively. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	E7820 (ER68203-00) (50-200 mg/kg; p.o. ; twice daily for 14 days) delays the growth of WiDr cells inoculated s.c.. E7820 (200-400 mg/kg; p.o.;once daily for 4 days) potently inhibits WiDr-induced angiogenesis. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model:
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 100 mg/mL (297.29 mM; Need ultrasonic)配制储备液