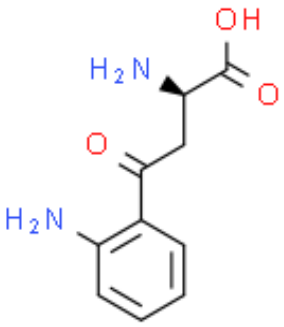
Product Data Sheet

Cas No.:	13441-51-5	Cat. No:	PC65958
Product Name:	D-Kynurenine		
Product synonym:	D-犬尿氨酸;D-2-氨基-4-(2-氨基苯基)-4-氧代丁酸;犬尿氨酸;D-犬尿氨酸硫酸盐;D-2-氨基-4-[2-氨基苯基]-4-氧丁 酸		
Chemical name:	D-Kynurenine		
MF:	C10H12N2O3	FW:	208.2139
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C(C1=C([H])C([H])=C([H])C([H])=C1N([H])[H])C([H])([H])[C@]([H])(C(=O)O[H])N([H])[H]		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

D-kynurenine 是 D-色氨酸的代谢产物，可以用作健尿酸 (KYNA) 和 3-羟基犬尿氨酸 (3-hydroxykynurenine) 的生物前体。D-kynurenine 是 G 蛋白偶联受体 GPR109B 的激动剂，D-kynurenine 是 D-氨基酸氧化酶荧光分析的底物。D-kynurenine 通过激活芳香烃受体 (AHR) 促进上皮细胞向间充质细胞的转化。D-kynurenine 是 D-色氨酸的代谢产物，可以用作健尿酸 (KYNA) 和 3-羟基犬尿氨酸 (3-hydroxykynurenine) 的生物前体。D-kynurenine 是 G 蛋白偶联受体 GPR109B 的激动剂，D-kynurenine 是 D-氨基酸氧化酶荧光分析的底物。D-kynurenine 通过激活芳香烃受体 (AHR) 促进上皮细胞向间充质细胞的转化。

生物活性	D-kynurenine, a metabolite of D-tryptophan, can serve as the bioprecursor of kynurenic acid (KYNA) and 3-hydroxykynurenine. D-Kynurenine is an agonist for G protein-coupled receptor, GPR109B. D-Kynurenine is a substrate in a fluorometric assay of D-amino acid oxidase. D-kynurenine promotes epithelial-to-mesenchymal transition via activating aryl hydrocarbon receptor (AHR).
IC50 & Target[1][2]	Human Endogenous Metabolite

体外研究(In Vitro)

D-kynurenine (10, 40, 60, and 100 μM) positively regulates the metastasis of 95D cells, a lung cancer cell line, which is reduced upon siRNAAhr treatment. Significant enhancement VIM expression was detected in the presence of D-kynurenine (10 and 40 μM). 10 μM D-kynurenine markedly attenuates E-cadherin level. 10 μM D-kynurenine-mediated changes of VIM and E-cadherin are substantially attenuated on siRNAAhr treatment as well. The evidences-10/40 μM D-

kynurenine-induced up-regulation of CYP1A1, 10 μM D-kynurenine-induced increase of nuclear transfer of Ahr, and 10/40/60/100 μM D-kynurenine-induced enhancement of DER-luciferase activity-indicated that D-kynurenine Is capable of activating Ahr in fact.Medlife has not independently confirmed the accuracy of these methods. They are for reference only.

包装储存

Powder； -20°C； 3 years; 4°C； 2 years；

溶解度数据

体外研究:

H_2O : 5 mg/mL(24.01 mM;ultrasonic and warming and heat to 60°C)

配制储存液