



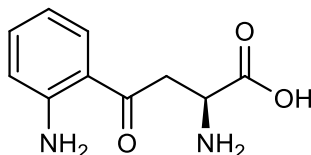
Catalog # 10-2666

Kynurenine (L)

2922-83-0

β -Anthraniloyl-L-alanine; L-2-Amino-4-(2-aminophenyl)-4-oxobutanoic acid

Lot # X105804



Tryptophan catabolite¹. Endogenous tumor-promoting ligand of the human aryl hydrocarbon receptor (AhR). Constitutively generated by human tumor cells via the action of the tryptophan degrading enzyme, tryptophan-2,3-dioxygenase (TDO). Kynurenine suppresses antitumor immune responses and promotes tumor cell survival and motility².

- 1) Ibanez *et al.* (2011), *Inhibition of indoleamine 2,3-dioxygenase activity by levo-1-methyl tryptophan blocks gamma interferon-induced Chlamydia trachomatis persistence in human epithelial cells*; Infect. Immun., **79** 4425
- 2) Opitz *et al.* (2011), *An endogenous tumour-promoting ligand of the human aryl hydrocarbon receptor*; Nature, **478** 197

PHYSICAL DATA

Molecular Weight:	208.22
Molecular Formula:	C ₁₀ H ₁₂ N ₂ O ₃
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 2 mg/ml), Water (up to 2 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

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