

Kynurenine (L), Endogenous AhR agonist

Catalog	Unit
TBI2666-20MG	20mg
TBI2666-100MG	100mg

Product Details

Formal Name: L-2-Amino-4-(2-aminophenyl)-4-oxobutanoic acid

Alternate Names: β -Anthraniloyl-L-alanine

Molecular Formula: C₁₀H₁₂N₂O₃

Formula Weight: 208.22

CAS Number: 2922-83-0

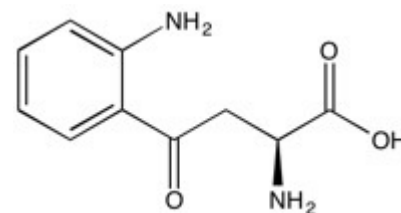
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 2 mg/ml) or in Water (up to 2 mg/ml).

Storage: -20°C

Stability: \geq 2 years.



Applications

Endogenous AhR agonist

Functions

Tryptophan catabolite. 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 motility.

Application Procedures

First dissolved in DMSO (up to 2 mg/ml) or in Water (up to 2 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 3 months.

For research use only.