

## Arginyl-Glutamine TFA

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Arginyl-Glutamine TFA is a dipeptide that can reduce VEGF levels and inhibit retinal neovascularization in a mouse model of oxygen-induced retinopathy.
Targets(IC50)	VEGFR
In vitro	Arginyl-Glutamine TFA (0.5-1.5 mM; 48 h) significantly reduces the expression of soluble VEGF in the medium of cultured human RPE cells in a dose-dependent manner.
In vivo	Administering Arginyl-Glutamine TFA (1-5 g/kg/day, as a hydrochloride salt; i.p.; twice daily) significantly inhibits retinal neovascularization in a mouse model of oxygen-induced retinopathy (OIR).

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