

NLG919, IDO pathway inhibitor

Catalog	Unit
TBI4564-5MG	5 mg
TBI4564-25MG	25 mg

Product Details

Formal Name: 1-Cyclohexyl-2-(5H-imidazo[5,1-a]isoindol-5-yl)ethanol

Molecular Formula: C₁₈H₂₂N₂O

Formula Weight: 282.39

CAS Number: 1402836-58-1

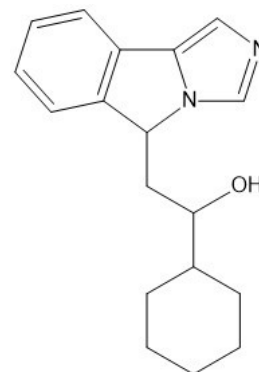
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

IDO pathway inhibitor

Functions

NLG919 (1402836-58-1) is a potent IDO-pathway inhibitor ($K_i = 7\text{nM}$; $EC_{50} = 75\text{nM}$). It synergizes with chemotherapy to promote T cell dependent complement deposition in a murine model of glioblastoma. In combination with paclitaxel in a mouse B16-F10 melanoma model, NLG919 increased the percentage of CD3⁺, CD8⁺, and CD4⁺ T cells and secretion of IFN- γ and interleukin-2 while decreasing the percentage of CD4⁺CD25⁺ regulatory T cells.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.