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Product Datasheet

Galunisertib, CAS [[700874-72-2]] FBM-10-4110

Article Name	Galunisertib, CAS [[700874-72-2]]
Biozol Catalog Number	FBM-10-4110
Supplier Catalog Number	10-4110
Alternative Catalog Number	FBM-10-4110-5MG, FBM-10-4110-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	TGFβ receptor 1 inhibitor / Cancer immunotherapeutic...
Molecular Weight	369.43
Purity	98%, NMR (Conforms)
Form	White solid
CAS Number	[700874-72-2]
Formula	C22H19N5O

Application Notes

Galunisertib is a TGF- β kinase (ALK5) antagonist.¹ It stimulated hematopoiesis from primary myelodysplastic syndrome bone marrow specimens via downregulation of SMAD2 phosphorylation.² It has been in clinical trials for treatment of various cancers.³⁻⁵ Galunisertib has more recently been used to enhance the anti-neuroblastoma activity of anti-GD2 antibody Dinutuximab with natural killer cells⁶ and preserved the function of in vitro expanded natural killer cells in AML and colon cancer models⁷. Galunisertib reversed TGF and regulatory T cell mediated suppression of human T cell proliferation. In combination with PD-L1 blockade, it resulted in improved tumor growth inhibition and complete regressions in colon carcinoma models.⁸