

Product Data Sheet

Product Name: BRD 6989

Cat. No.: GC50452

Chemical Properties

Cas. No. 642008-81-9

SMILES CC1CCC2=NC(N)=C(C(C3=CN=CC=C3)=C2C1)C#N

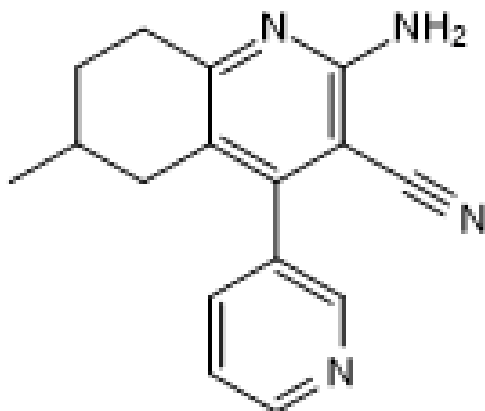
Formula C₁₆H₁₆N₄ M.Wt 264.33

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Binds and inhibits Cdk8 in complex with cyclin C (IC₅₀ ~ 200 nM). Enhances IL-10 production in activated human and murine macrophages and dendritic cells (EC₅₀ is approximately 1 μM for IL-10 production in bone marrow-derived dendritic cells). Also inhibits CDK19 in complex with cyclin C.

Johannessen et al (2017) Small-molecule studies identify CDK8 as a regulator of IL-10 in myeloid cells. Nat.Chem.Biol. 13 1102 PMID:28805801

Caution: Product has not been fully validated for medical applications. For research use only.

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