

Product Data Sheet

Product Name: Glucocorticoid Resistance Inhibitor

Cat. No.: GC40049

Chemical Properties

Cas. No. 947018-15-7

SMILES NC1=NC(C2CC2)=C(C3=CC=NC=C3)C=N1

Formula C₁₂H₁₂N₄ M.Wt 212.3

Solubility DMF: 5 mg/ml, DMF:PBS (pH 7.2) Storage Store at -20°C
(1:3): 0.25 mg/ml, DMSO: 10 mg/ml

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.

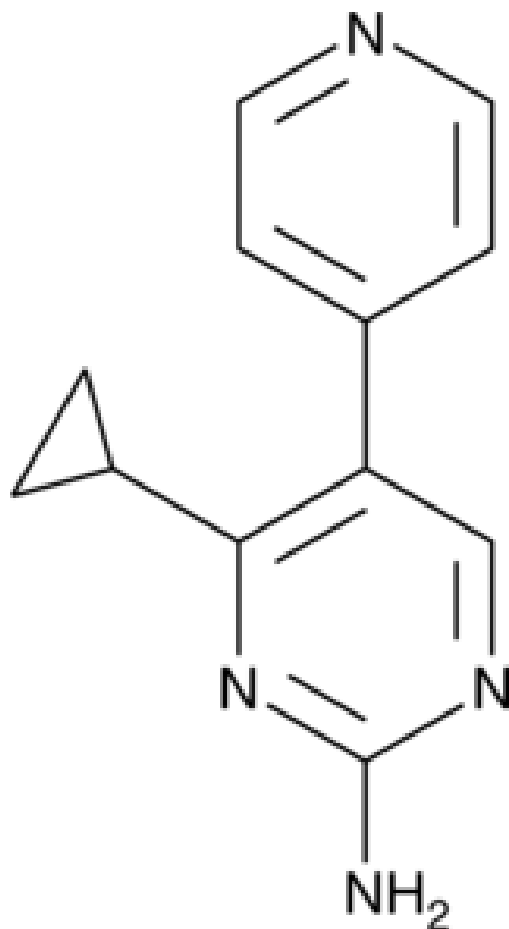
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Glucocorticoid resistance inhibitor is an inhibitor of glucocorticoid resistance. It inhibits cell growth of the T cell acute lymphoblastic leukemia (T-ALL) cell line CUTTL1 when used in combination with dexamethasone ($EC_{50} = 28 \mu M$) and is less effective when used alone ($EC_{50} = 294 \mu M$). Glucocorticoid resistance inhibitor (6.25 - $50 \mu M$) preferentially inhibits growth of CUTTL1 cells expressing high levels of the glucocorticoid receptor over cells expressing low levels. It upregulates the gene expression and protein levels of the glucocorticoid receptor and induces expression of dexamethasone-regulated genes when used in combination with dexamethasone but not when used alone.

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