
Product Data Sheet

Product Name: CX-5011 (sodium salt)

Cat. No.: GC43334

Chemical Properties

Cas. No. 1333382-30-1

SMILES [O-]C(C1=CC2=C(C=C1)C3=C(N=CN=C3)C(NC4=CC(C#C)=CC=C4)=N2)=O.[Na+]

Formula $C_{20}H_{11}N_4O_2 \cdot Na$ M.Wt 362.3

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**

CX-5011 is a highly selective and potent inhibitor of protein kinase CK2 (IC₅₀ = 0.175 nM for native CK2), a pro-survival and anti-apoptotic kinase highly expressed in cancer cells. It was highly selective for CK2 over a panel of 235 protein kinases. It induces apoptosis, has anticancer properties in vitro, and appears to overcome the drug resistance phenotype that is partially induced by CK2.

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

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