

Product Data Sheet

Product Name: TC-S 7009

Cat. No.: GC50128

Chemical Properties

Cas. No. 1422955-31-4

SMILES C1C=CC(F)=CC(NC3=C([N+])([O-])=O)C2=NON=C2C=C3)=C1

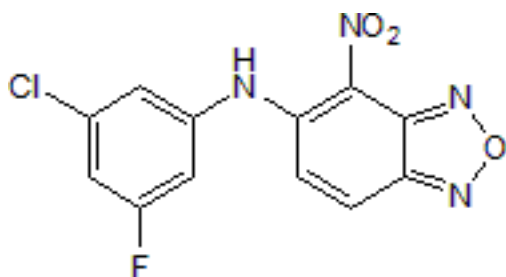
Formula $C_{12}H_6ClFN_4O_3$ M.Wt 308.65

Solubility DMSO: 30 mg/ml 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

High affinity and selective HIF-2 α inhibitor (K_d = 81 nM). Binds to the HIF-2 α PAS-B domain; disrupts HIF-2 α -ARNT heterodimerization. Exhibits >60-fold selectivity for HIF-2 α over HIF-1 α . Decreases HIF-2 α DNA-binding and attenuates expression of HIF-2 α target genes in vitro.

Scheuermann et al (2013) Allosteric inhibition of hypoxia inducible factor-2 with small molecules. Nat.Chem.Biol. 9 271 PMID:23434853 | Rogers et al (2013) Development of inhibitors of the PAS-B domain of the HIF-2 α transcription factor. J.Med.Chem. 56 1739 PMID:23363003 | Wu et al (2019) Bidirectional modulation of HIF-2 activity through chemical ligands. Nat.Chem.Biol. 15 367 PMID:30804532

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

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