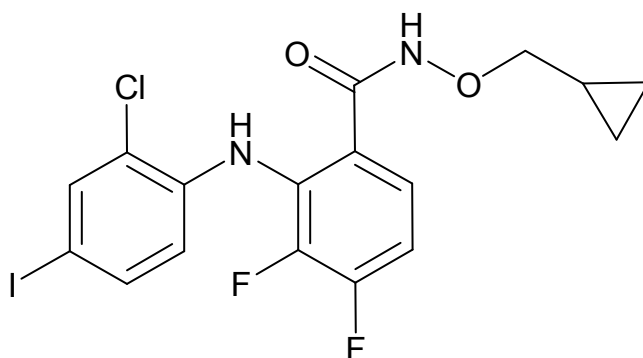


CI-1040

SYN-1031



2-[(2-chloro-4-iodophenyl)amino]-N-(cyclopropylmethoxy)-3,4-difluorobenzamide

CAS Registry No.: 212631-79-3

Smiles String:

c1cc(c(cc1)Cl)Nc2c(ccc(c2F)F)C(=O)NOCC3CC3

Molecular Weight: 478.67

Molecular Formula: C₁₇H₁₄ClF₂IN₂O₂

Lot Number: Refer to vial

¹H-NMR: Available on request

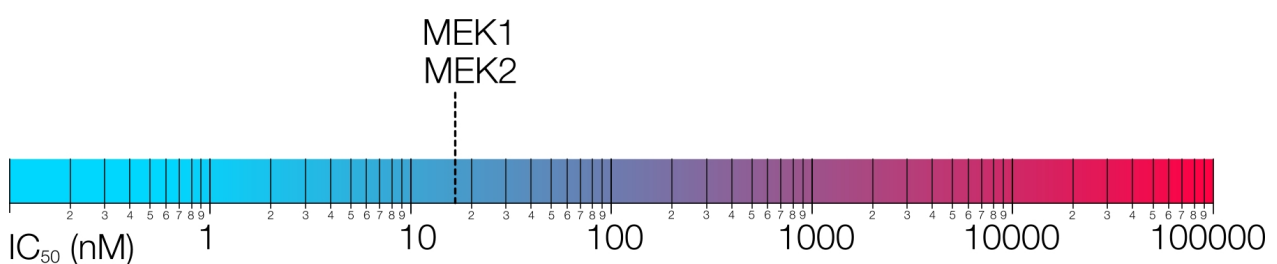
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

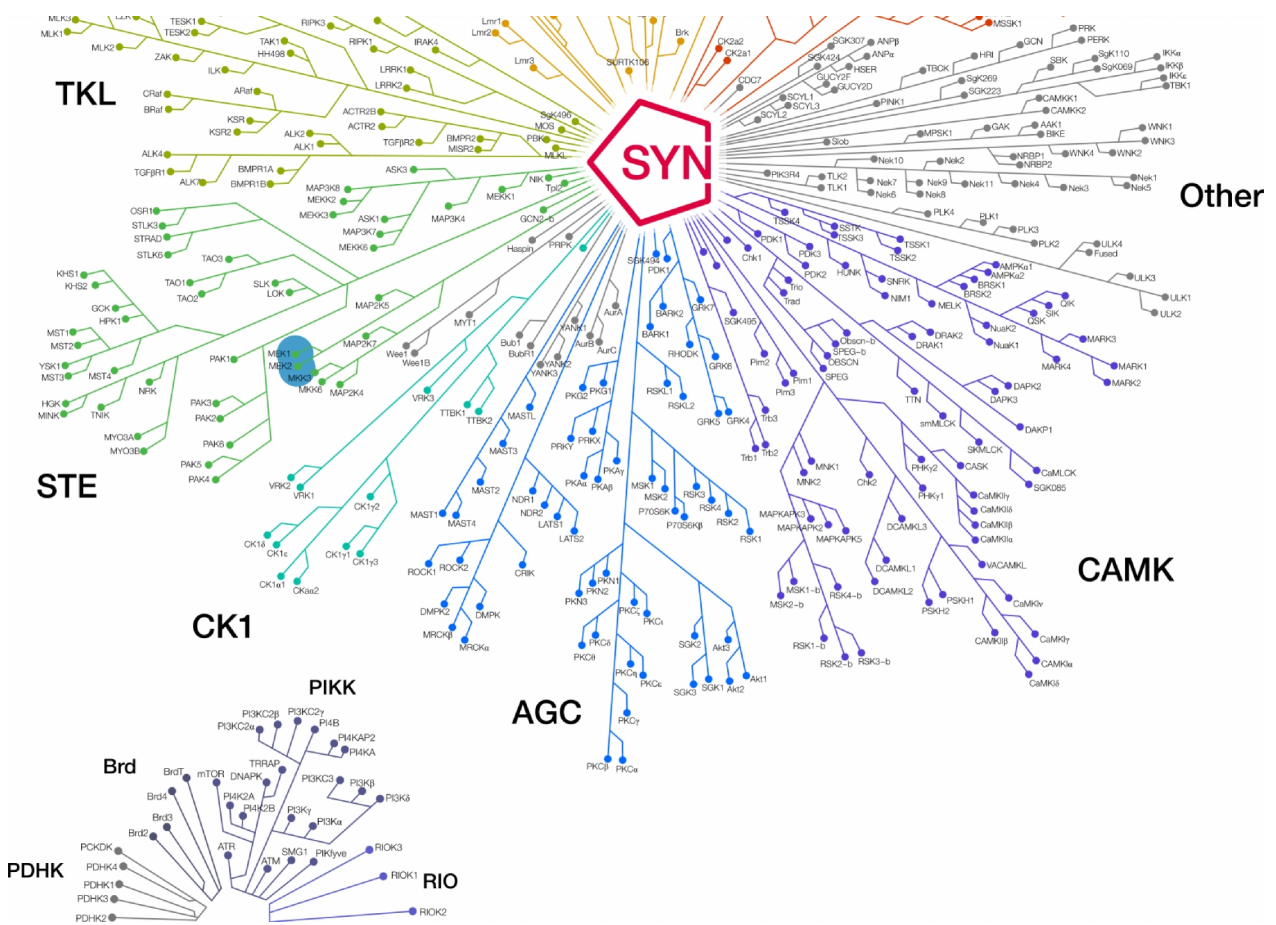
Description:

CI-1040 (PD184352) is an orally active, highly specific, small-molecule inhibitor of MEK1/2, which is a key component of the ERK/MAPK pathway. It has an IC₅₀ of 17 nM.

Biological Activity



Kinome Mapping



Shipping and Storage Temperature

Shipping:

Ambient

Storage:

2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

DMSO 96mg/mL, Ethanol 14mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4787	4.7870	9.5740	23.9350

References

1. Milella M, Estrov Z, Kornblau SM, Carter BZ, Konopleva M, Tari A, Schober WD, Harris D, Leysath CE, Lopez-Berestein G, Huang Z, Andreeff M. Synergistic induction of apoptosis by simultaneous disruption of the Bcl-2 and MEK/MAPK pathways in acute myelogenous leukemia. *Blood*. 2002 May 1;99(9):3461-4. PubMed PMID: 11964319.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)