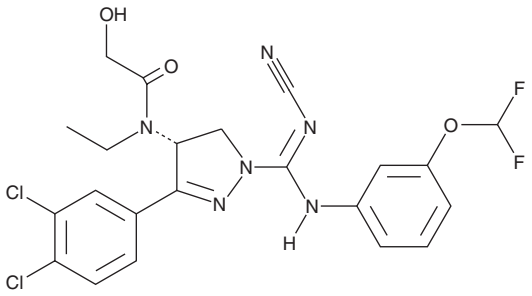
PRODUCT INFORMATION

(R)-BAY-598

Item No. 29174

CAS Registry No.: 1906920-28-2
Formal Name: N-[(4R)-1-[(cyanoamino)[[3-(difluoromethoxy)phenyl]imino]methyl]-3-(3,4-dichlorophenyl)-4,5-dihydro-1H-pyrazol-4-yl]-N-ethyl-2-hydroxy-acetamide
MF: $C_{22}H_{20}Cl_2F_2N_6O_3$
FW: 525.3
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

(R)-BAY-598 is supplied as a solid. A stock solution may be made by dissolving the (R)-BAY-598 in the solvent of choice, which should be purged with an inert gas. (R)-BAY-598 is soluble in the organic solvent DMSO.

Description

(R)-BAY-598 is an inhibitor of the lysine N-methyltransferase SMYD2 (IC_{50} = 1.7 µM) and a less active enantiomer of (S)-BAY-598 (Item No. 18238).[1] It is selective for SMYD2 over proteinase-activated receptor 1 (PAR1; IC_{50} = >30 µM).

Reference

1. Eggert, E., Hillig, R.C., Koehr, S., *et al.* Discovery and characterization of a highly potent and selective aminopyrazoline-based in vivo probe (BAY-598) for the protein lysine methyltransferase SMYD2. *J. Med. Chem.* **59(10)**, 4578-4600 (2016).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM