

Product Data Sheet

Product Name: SJ1008030 formic

Cat. No.: GC73139

Chemical Properties

Cas. No.

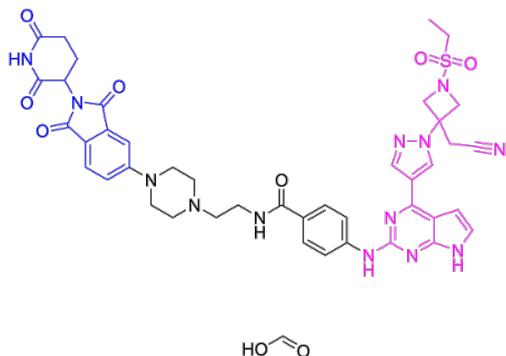
Formula $C_{43}H_{45}N_{13}O_9S$ M.Wt 919.96

Solubility DMSO : 125 mg/mL (135.88 mM; Storage -20°C
Need ultrasonic)

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



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

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Background

SJ1008030 (compound 8) formic is a JAK2 PROTAC which selectively degrades JAK2. SJ1008030 formic inhibits MHH–CALL-4 cell growth with an IC₅₀ of 5.4 nM. SJ1008030 formic can be used for the research of leukemia.

SJ1008030 (compound 8) formic (72 h) shows activity in CRLF2r cell lines (MHH–CALL-4), with an IC₅₀ of 5.4 nM[1]. SJ1008030 (0-4.3 μM; 72 h) formic degrades JAKs, GSPT1, and IKZF1 in a dose-dependent manner in MHH–CALL-4 cells[1]. SJ1008030 (0-10 μM; 24h) formic dose-dependently degrades JAK2 and GSPT1 protein in xenograft bone marrow SJBALL021415 cells, indicating the inhibition of JAK-STAT signaling pathway[1].

References:

[1]. Chang Y, et al. Degradation of Janus kinases in CRLF2-rearranged acute lymphoblastic leukemia. *Blood*. 2021 Dec 9;138(23):2313-2326.

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