

Product Data Sheet

Product Name: PLX-4104

Cat. No.: GC80929

Chemical Properties

Cas. No. 2851986-77-9

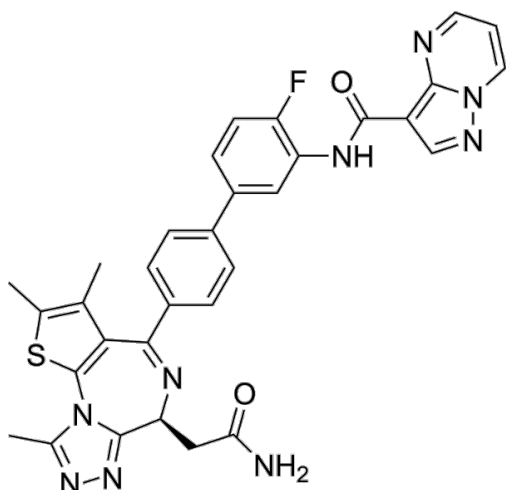
Formula $C_{32}H_{26}FN_9O_2S$ M.Wt 619.67

Solubility DMSO: 100 mg/mL (161.38 mM; Need ultrasonic) 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

PLX-4104 is an orally active BRD4 molecular glue degrader with a DC_{50} of 2 nM. PLX-4104 selectively promotes BRD4 degradation via DCAF11 recruitment, triggering ubiquitination and proteasomal breakdown. PLX-4104 inhibits cancer cell proliferation. PLX-4104 induces complete

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

regression of AML xenograft tumors. PLX-4104 can be used for the research of acute myeloid leukemia [1].

In Vivo, PLX-4104 (2-6 mg/kg; p.o.; daily; 21 days) elicits dose-dependent antitumor efficacy in AML MV-4-11 xenografts without significant body weight changes[1].

In Vitro, PLX-4104 potently binds to BRD4 with an IC₅₀ of 4 nM^[1]. PLX-4104 (24 h) induces near-complete (>95%) BRD4 degradation in MV-4-11 cells with a DC₅₀ of 2 nM^[1]. PLX-4104 (72 h) potently inhibits the proliferation of MV-4-11 cells with an EC₅₀ of 4 nM^[1]. PLX-4104 has intrinsic clearance of 11.1 mL/min/kg in human liver microsomes and <10 mL/min/kg in mouse liver microsomes^[1].

References:

[1]. Leriche G, et al. Discovery and Structural Optimization of BRD4-Selective Monovalent Direct Degradable[J]. ACS Medicinal Chemistry Letters, 2026.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA