

Product Data Sheet

Product Name: NRX-0492

Cat. No.: GC73434

Chemical Properties

Cas. No. 2416130-57-7

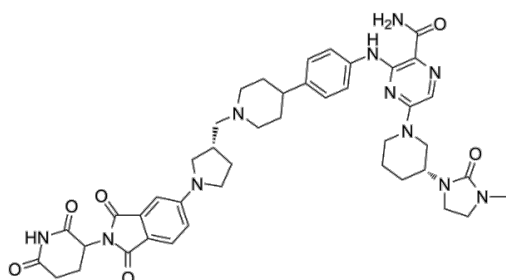
Formula $C_{43}H_{51}N_{11}O_6$ M.Wt 817.94

Solubility DMSO : 200 mg/mL (244.52 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



Background

NRX-0492 is an orally active and potent degrader of BTK. NRX-0492 catalyzes ubiquitylation and proteasomal degradation of BTK with $DC_{50} \leq 0.2$ nM and $DC_{90} \leq 0.5$ nM, respectively. NRX-0492 inhibits B-cell receptor (BCR)-mediated signaling, transcriptional programs, and chemokine secretion.

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

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Moreover, NRX-0492 also links a noncovalent BTK-binding domain to Cereblon. Cereblon is an adaptor protein of the E3 ubiquitin ligase complex.

References:

[1]. Zhang D, et al. NRX-0492 degrades wild-type and C481 mutant BTK and demonstrates in vivo activity in CLL patient-derived xenografts. *Blood*. 2023 Mar 30;141(13):1584-1596.

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