
Product Data Sheet

Product Name: BPK-21
Cat. No.: GC63509

Chemical Properties

Cas. No. 2305052-77-9

Formula $C_{23}H_{16}Cl_2F_3NO_2$ M.Wt 466.28

Solubility 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

BPK-21, an active acrylamide, suppresses T cell activation through blockade of ERCC3 function. BPK-21 specifically targets C342 in the helicase ERCC3[1].

BPK-21 (20 μM) significantly impairs T cell activation[1]. BPK-21 likely suppresses T cell activation through blockade of ERCC3 function, which may in turn act downstream or separately from pathways involved in NFAT and NF-κB activation[1].

[1]. Ekaterina V Vinogradova, et al. An Activity-Guided Map of Electrophile-Cysteine Interactions in Primary Human T Cells. Cell. 2020 Aug 20;182(4):1009-1026.e29.

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

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