

DATA SHEET

Product Name: Bromosporine

Catalog #: CV-1035

Alt: CAS # 1619994-69-2; Ethyl N-[(6-{3-Methanesulfonamido-4-methylphenyl}-3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-8-yl)]carbamate

Molecular Mass: 404.4

Analysis: >98% (HPLC); NMR (Conforms)

Supplied As: Off-white powder

Resuspension: May be dissolved in DMSO (25 mg/ml)

Storage: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 3 months.

Description: Bromosporine is a potent pan-Bromodomain (BRD) inhibitor¹. Reactivates HIV-1 replication in various latency models². Inhibits myogenic differentiation in C2C12 myoblasts³. Synergizes with 5-fluorouracil (5-FU) in inhibition of cell viability and colony formation and reverses 5-FU resistance in colorectal cancer cells⁴.

References:

1. Picaud, S., et al., (2016) Sci. Adv., 2: e1600760
2. Pan, H., et al., (2017) Oncotarget, 8: 94104
3. Roberts, T.C., et al., (2017) Sci. Rep., 7: 6153
4. Cheng, X., et al., (2020) Biochem. Biophys. Res. Commun., 52: 840

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