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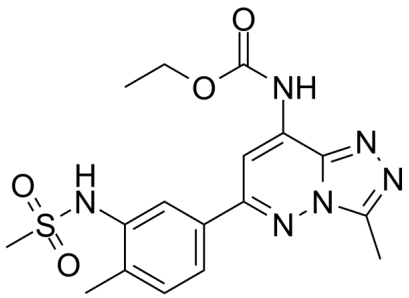
Certificate of Analysis

Catalog Number	BP13071
Product Name	Bromosporine

Physical and Chemical Properties

CAS No.	1619994-69-2
Chemical Formula	C17H20N6O4S
Molecular Weight	404.45
Solubility	DMSO: 51.7 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Bromosporine is a broad spectrum inhibitor for bromodomains for BRD2/4/9 and CECR2 (IC50: 0.41/0.29/0.122/0.017 μM), respectively.

Targets&IC50	CECR2:0.017 μM, BRD4:0.29 μM, BRD2:0.41 μM, BRD9:0.122 μM
In vitro	Bromosporine (1 μM) accelerates FRAP recovery of BRD4 and CREBBP, while shows no activities against TIF1α, BAZ2A, and SMARCA2 even at 10 μM. Bromosporine (18 μM) has moderate cytotoxicity in HeLa cells.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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