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Product Datasheet

PTC-209, CAS [[315704-66-6]]

FBM-10-4022

Article Name	PTC-209, CAS [[315704-66-6]]
Biozol Catalog Number	FBM-10-4022
Supplier Catalog Number	10-4022
Alternative Catalog Number	FBM-10-4022-5MG, FBM-10-4022-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	BMI-1 inhibitor...
Molecular Weight	495.19
Purity	98% by HPLC , NMR (Conforms)
Form	Yellow solid
CAS Number	[315704-66-6]
Formula	C17H13Br2N5OS
Application Notes	An inhibitor of BMI-1 (IC50 = 500 nM), part of the polycomb repressive complex 1 (PCR1). ¹ It inhibited endogenous BMI-1 expression in human colorectal HCT116 and human fibrosarcoma HT1080 tumor cells resulting in reduced tumor volume as well as reduced cancer initiating cell (CIC) number. PTC-209 displayed potent in vivo antitumor effects in several cancer models including breast ² , head and neck ³ , glioblastoma ⁴ , prostate ⁵ , colon ⁵ , and rhabdomyosarcoma ⁶ . It also promoted chemically-induced direct cardiac reprogramming of cardiac fibroblasts into cardiac myocytes. ^{7,8}