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Product Datasheet

1-Benzyl-I3C, CAS [[60941-76-6]]

MCE-HY-N10159

Article Name	1-Benzyl-I3C, CAS [[60941-76-6]]
Biozol Catalog Number	MCE-HY-N10159
Supplier Catalog Number	HY-N10159
Alternative Catalog Number	MCE-HY-N10159-1MG,MCE-HY-N10159-10MG,MCE-HY-N10159-5MG
Manufacturer	MedchemExpress
Category	Biochemikalien
Product Description	1-Benzyl-I3C is a NEDD4-1 inhibitor with significant anticancer activity. 1-Benzyl-I3C can directly inhibit the ubiquitination activity of NEDD4-1 with an IC ₅₀ of 12.3µM, which is significantly better than its precursor compound I3C of 284µM. 1-Benzyl-I3C is a potent inhibitor of the E1/E2/E3 enzyme complex, with an IC ₅₀ of 12.3µM. It has been shown to inhibit the ubiquitination of NEDD4-1, leading to its degradation and subsequent inhibition of the complex. 1-Benzyl-I3C has been used in various cancer studies, including breast cancer, prostate cancer, and lung cancer. It has been shown to induce apoptosis in cancer cells and to inhibit the growth of cancer cells. It has also been shown to inhibit the growth of normal cells, suggesting that it may have toxic effects on normal cells as well. 1-Benzyl-I3C is a promising new drug candidate for the treatment of cancer.
Molecular Weight	237.30
Purity	99.68
CAS Number	[60941-76-6]
Formula	C ₁₆ H ₁₅ NO
Target	E1/E2/E3 Enzyme
Application Notes	MCE Product type: Natural Products