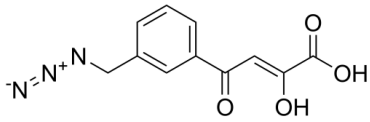
Data Sheet

Product Name:	HIV-1 integrase inhibitor
Cat. No.:	CS-0461
CAS No.:	544467-07-4
Molecular Formula:	$C_{11}H_9N_3O_4$
Molecular Weight:	247.21
Target:	HIV; HIV Integrase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Solubility:	DMSO : ≥ 100 mg/mL



References:

[1]. Hobaika, Z.; Zargarian, L.; Maroun, R. G.; Mauffret, O.; Burke, T. R., Jr.; Fermandjian, S. HIV-1 Integrase and Virus and Cell DNAs: Complex Formation and Perturbation by Inhibitors of Integration. Neurochemical Research (2010), 35(6), 888-893.

[2]. Loizidou, Eriketi Z.; Zeinalipour-Yazdi, Constantinos D.; Christofides, Tasos; Kostrikis, Leondios G. Analysis of binding parameters of HIV-1 integrase inhibitors: Correlates of drug inhibition and resistance. Bioorganic & Medicinal Chemistry (2009), 17(13), 4806-4818.

[3]. Kawasuji T.Carbamoyl Pyridone HIV-1 Integrase Inhibitors. 1. Molecular Design and Establishment of an Advanced Two-Metal Binding Pharmacophore.J Med Chem. 2012 Sep 10.

[4]. Yan A, Xuan S, Hu X.Classification of Active and Weakly Active ST Inhibitors of HIV-1 Integrase Using a Support Vector Machine.Comb Chem High Throughput Screen. 2012 Aug 28.

[5]. Yu S, Zhao G.Development of Polyphenols as HIV-1 Integrase Inhibitors: A Summary and Perspective.Curr Med Chem. 2012 Aug 27.

CAIndexNames:

2-Butenoic acid, 4-[3-(azidomethyl)phenyl]-2-hydroxy-4-oxo-

SMILES:

OC(/C(O)=C/C(C1=CC=CC(CN=[N+]=[N-])=C1)=O)=O

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

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