

Product Datasheet

5-Dibenzylcyclooctyne-2i-deoxyuridine (5-DBCO-dU) (orb532331)

Description	5-DBCO-dU (5-Dibenzylcyclooctyne-2'-deoxyuridine) can potentially be used as a replacement for BrdU ...
Form/Appearance	solid; Color: colorless to slightly yellow
Storage	store at -20 °C
Note	For research use only
Application notes	DNA synthesis monitoring (potentially). Spectroscopic Propertie: λ_{max} 289 nm, ϵ 12.5 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₃₁ H ₂₈ N ₄ O ₇
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 568.58 g/mol (free acid); Detected MW: 568.20 g/mol (free acid)
SMILES	<chem>c1(=O)[nH]c(=O)n(cc1C#CCNC(=O)CCC(=O)N1Cc2c(C#Cc3c1cccc3)cc2)[C@H]1C[C@H](O)[C@H](O1)CO</chem>
Expiration Date	12 months from date of receipt.