Product Information

BCN (Bicyclo[6.1.0]nonyne) Conjugates

Unit Size: 0.5 mg for CF® dye BCN
1.0 mg for biotin BCN and MTS-BCN

Technical Summary

Cat. No.	BCN conjugate	Abs_{max} (nm)	Em_{max} (nm)	Extinction coefficient	MW
92113	CF®405S	404	431	33,000	~788
92114	CF®405M	408	452	41,000	~720
96070	CF®440	440	515	40,000	~698
92075	CF®488A	490	515	70,000	~1132
96026	CF®500	500	510	70,000	~570
92076	CF®568	562	583	100,000	~932
92077	CF®594	593	614	115,000	~947
92078	CF®640R	642	662	105,000	~1050
96059	CF®647	650	665	240,000	~1203
96027	CF®650	650	670	100,000	~692
96058	CF®680	681	698	210,000	~3371
92079	CF®680R	680	701	140,000	~1130
92169	Biotin	---	---	---	~463
96023	MTS	---	---	---	~331

Storage and Handling

Store BCN conjugates at -20°C, protected from light. Product is guaranteed for at least 12 months from date of receipt when stored as recommended. Stock solution may be prepared in DMSO or dH_2O and can be stored at ≤ -20°C for at least 12 months.

Product Description

BCN (Bicyclo[6.1.0]nonyne) conjugates react with azide to form 1,2,3-triazole by copper-free 1,3-dipolar Huisgen cycloaddition. This copper-free bioorthogonal reaction allows reaction with live cells or cell extracts when there are concerns about native protein function loss with copper.

CF®440 BCN, CF®500 BCN, and CF®650 BCN are membrane-permeant for intracellular copper-free reaction with azide.

Related Products

Catalog number	Product
92092	CF®405M Azide
92080	CF®488A Azide
92081	CF®555 Azide
92082	CF®568 Azide
92083	CF®594 Azide
92084	CF®647 Azide
92085	CF®640R Azide
92094	CF®660C Azide
92086	CF®488A Alkyne
92168	Biotin Alkyne
92087	CF®555 Alkyne
92088	CF®568 Alkyne
92089	CF®594 Alkyne
92090	CF®647 Alkyne
92091	CF®640R Alkyne
92093	CF®405M Alkyne
92095	CF®660C Alkyne
92167	Biotin Azide
22004	Ultrafiltration vial, 10K MWCO (5 per pack)
22018	Ultrafiltration vial, 3K MWCO (5 per pack)
90082	DMSO, anhydrous
22013	Bovine Serum Albumin, Fraction V
22014	Bovine Serum Albumin, 30% solution
22020	10X Phosphate Buffered Saline
41024-4L	Water, Ultrapure Molecular Biology Grade

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