

## CHROMOGENIC SUBSTRATES

**DC Fine Chemicals** presents a range of Chromogenic Substrates, which play a critical role in various scientific applications. As a leading supplier in the industry, **DC Fine Chemicals** offers high-quality substrates that are used in the production of bacterial identification media and chromogenic detection for Western Blot, IHC, and ELISA.

Our devotion to quality, customer satisfaction and sustainability is paramount, and our bespoke approach ensures a high standard of service, uniquely tailored to each customer's needs.

As an ISO 9001 accredited company, we uphold the highest standards, aligning with international quality standards to deliver products you can trust.

Our expansive portfolio offers a wide array of high-quality raw materials, many ready for prompt shipping from our facility located near Barcelona, Spain.



**DC Fine Chemicals**, with established operations in Spain and the United Kingdom, is a renowned manufacturer and supplier of high-quality fine chemicals supplied in semi-bulk quantities for manufacturing applications.

Priding themselves on delivering quality and exceptional service, **DC Fine Chemicals** maintains an extensive portfolio of over 3000 reference products. With more than 20 years of industry experience, the company has earned a reputation for its commitment to excellence and customer satisfaction.

Operating across more than 40 countries, **DC Fine Chemicals** is a reliable, experienced, and internationally connected partner in the fine chemicals industry, recognized for its high-quality products and exceptional service



### SPAIN

Cobalt 33  
08940, Cornellà de Llobregat  
T 34 934 407 565

### UK

1A Cobham Mews  
London NW1 9SB  
T 44 20 7586 6800

[info@dcfinechemicals.com](mailto:info@dcfinechemicals.com)  
[www.dcfinechemicals.com](http://www.dcfinechemicals.com)

 @dcfinechemicals



CHROMOGENIC SUBSTRATES



**DC Fine Chemicals**  
A different kind of chemistry

# A DIFFERENT KIND OF INDUSTRY

**DC Fine Chemicals** introduces a range of Chromogenic Substrates that fulfill a critical role in diverse scientific applications. Chromogenic Substrates are soluble colourless molecules composed of a chromophore and an enzyme substrate. When a specific enzyme cleaves the chromophore-substrate bond an insoluble product of distinctive colour is generated.

Chromogenic Substrates have become a common addition to solid bacteriological culture media. This addition enables the differentiation of microorganisms based on the presence of specific marker enzymes.

**DC Fine Chemicals**, an international supplier, is dedicated to providing high-quality substrates that are essential for achieving precision and accuracy in enzyme detection and identification within the diagnostic, clinical, and industrial microbiology sectors.

## WHY CHOOSE DC FINE CHEMICALS

We prioritize customer satisfaction and quality, offering a comprehensive portfolio of critical raw materials.

Our services include:

- Global sourcing of raw materials.
- Consistency and traceability with each lot released only after meeting specific standards.
- Total procurement solutions for your raw materials, ensuring sustainable benefits.
- Customization to meet your specific needs in labeling, testing, packaging, product format, and properties.
- A commitment to innovation and sustainability, regularly introducing new products and responding swiftly to market demands.

For detailed information about our range of chromogenic substrates and other high-quality products, we invite you to visit our website at [www.dcfinechemicals.com](http://www.dcfinechemicals.com). Our website provides comprehensive product details, specifications, and resources to support your scientific pursuits..

Lapis Substrates (Deep Blue)				
DCFC Code	Substrates	Synonims	CAS	Enzyme
125290	5-Bromo-3-indolyl phosphate disodium salt	Blue-phos	16036-59-2	Alkaline phosphatase

X- Substrates (Blue Green)				
DCFC Code	Substrates	Synonims	CAS	Enzyme
125030	5-Bromo-4-chloro-3-indolyl-β-D-cellobioside	X-Cellobioside	177966-52-8	β-Cellobiosidase
125000	5-Bromo-4-chloro-3-indolyl caprylate	X-Caprylate	129541-42-0	Esterase
125220	5-Bromo-4-chloro-3-indolyl-α-D-galactopyranoside	X-α-Gal, X-α-D-Galactoside	107021-38-5	α-Galactosidase
124980	5-Bromo-4-chloro-3-indolyl-α-D-glucopyranoside	X-α-Glucoside	108789-36-2	α-Glucosidase
124960	5-Bromo-4-chloro-3-indolyl-N-acetyl-β-D-glucosaminide	X-N-Acetyl-β-D-glucosaminide; X-Glucosaminide	4264-82-8	N-Acetyl-β-D-glucosaminidase
102090	5-Bromo-4-chloro-3-indolyl-β-D-glucuronide, cyclohexylammonium salt	X-GlcA, X-Glucuronide CHA salt	114162-64-0	β-Glucuronidase

Magenta Substrates (Magenta to Lilac)				
DCFC Code	Substrates	Synonims	CAS	Enzyme
125020	5-Bromo-6-chloro-3-indolyl-β-D-glucopyranoside	Magenta-glucoside	93863-89-9	β-Glucosidase
125010	5-Bromo-6-chloro-3-indolyl α-D-glucopyranoside	Magenta-α-D-glucoside	878495-64-8	α-Glucosidase
124990	5-Bromo-6-chloro-3-indolyl phosphate disodium salt	Magenta-phos	404366-59-2	Alkaline phosphatase
124970	5-Bromo-6-chloro-3-indolyl-β-D-galactopyranoside	Magenta-gal	93863-88-8	β-Galactosidase
125240	5-Bromo-6-chloro-3-indolyl-β-D-glucuronide, cyclohexylammonium salt	Magenta-GlcA CHA salt, Magenta-gluc CHA salt	144110-43-0	β-Glucuronidase

Salmon Substrates (Pink)				
DCFC Code	Substrates	Synonims	CAS	Enzyme
125260	6-Chloro-3-indolyl-α-D-galactopyranoside	Salmon-α-gal	198402-61-8	α-Galactosidase
103380	6-Chloro-3-indolyl-β-D-galactopyranoside	Salmon-gal	138182-21-5	β-Galactosidase
125250	6-Chloro-3-indolyl-β-D-glucopyranoside	Salmon-glucoside	159954-28-6	β-Glucosidase
125230	6-Chloro-3-indolyl-β-D-glucuronide, cyclohexylammonium salt	Salmon-glcA CHA salt, Salmon-gluc CHA salt	138182-20-4	β-Glucuronidase

Other Chromogenic Substrates				
DCFC Code	Substrates	Synonims	CAS	Enzyme
125210	5-Bromo-4-chloro-3-indolyl phosphate disodium salt	X-Phosphate disodium salt, BCIP	102185-33-1	Alkaline phosphatase, often in conjunction with NBT
125270	Nitro blue tetrazolium	NBT, Nitro BT	298-83-9	Alkaline phosphatase