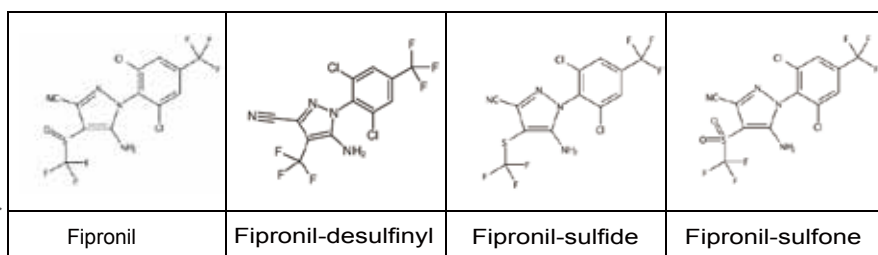


## Customized Products and Services

Scientists and analysts often encounter difficulties from finding analytical standards in analysis and testing work, especially for some unconventional inspections and emergencies, that may be the key points of the successful analysis. The technical team of Alta Scientific has more than 30 years of experiences in organic synthesis, fine reagents and analytical standards, a number of inventions, proficient in the design, synthesis, purification and quality control of small organic molecules. As a national high-tech enterprise with top-level R&D ability and production capability of organic standards, Alta's technical team also provides professional services of customized analytical standards with short lead time, accurate valuation, reliable quality, cost efficiency, and on time technical supports.

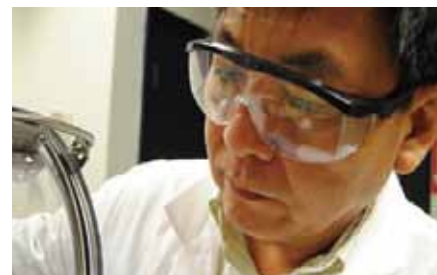
● **Customized Standards:** Structural based rational design and synthesis of customized standards to meet the customer's needs.

**Case study:** The detection of fipronil and its metabolites fipronil-desulfinyl, fipronil-sulfide and fipronil-sulfone has attracted the attention of many research institutes and third-party testing organizations after "poison egg" event. However, there are difficulties for immediate or fast supply of the fipronil and metabolites on the market. Alta's technical team took quick action, synthesized qualified products and put on the market in only 2 weeks, satisfied customer requirements.



● **Customized Mix Standard Solutions:** Design and make customized mix standard solutions according to the components provided by the customer.

**Case study:** One customer requests the mix standard solution of "GB/T 19648-2006, Determination of 500 Pesticides and Residues in Fruits and Vegetables by Gas Chromatography-Mass Spectrometry". However, the full collection of 500 pesticide and residue standards is very expensive and difficult, preparation of mix standard solution encountered many difficulties and mistakes. Alta technic team successfully solved the problems and provided qualified products to meet the customer's needs, greatly reduced costs and improved work effectiveness.



### Quality Assurance

- ◆ Developed by A ChemTek, USA, manufactured, sold and supported by Alta Scientific Co., Ltd. in China.
- ◆ ISO 9001 Management Accreditation. Implemented ISO 17025, ISO 17034 Quality Management System.
- ◆ HPLC/LCMS, GC/GCMS, NMR, etc. for Quality Control.
- ◆ Certificate of Analysis (CoA) and Safety Data Sheet (MSDS) provided.

# Order Guide

No.	CatNo	Product
1	1ST21245	Carboxin
2	1ST21246	Oxycarboxin
3	1ST21319	Carboxin Sulfoxid
4	1ST25033	Chlorbenside
5	1ST25034	Chlorbenside Sulfoxide
6	1ST25069	Chlorbenside Sulfone
7	1ST21286	Coumoxystrobin
8	1ST21302	Pyraoxystrobin
9	1ST22091	Naproanilide
10	1ST22155	Benzofenap
11	1ST22588	Carfentrazone
12	1ST22679	Monosulfuron
13	1ST22693	Clodinafop Propargyl (racemic)
14	1ST24025	Diethyl Aminoethyl Hexanoate
15	1ST21333	EBDC-dimethyl
16	1ST21334	PBDC-dimethyl
17	1ST22136	Metribuzin-desamino-diketo
18	1ST20357	Thiofanox Sulfone
19	1ST21260	Triamiphos
20	1ST21344	Pyrametostrobin
21	1ST22822	Perfluidone
22	1ST25090	Cyenopyrafen
23	1ST20308	Fipronil-sulfone
24	1ST20259	Carbofuran-3-hydroxy
25	1ST20133	Phosfolan-methyl
26	1ST21263	Edifenphos
27	1ST20193	Cadusafos
28	1ST20231	Cyhalothrin
29	1ST21330	Benzovindiflupyr
30	1ST20306	Fipronil-sulde
31	1ST4910	N-Nitroso-methyl-ethylamine
32	1ST4920	N-Nitroso-dimethylamine
33	1ST20126	Fenthion Oxon
34	1ST22839	Propisochlor M1
35	1ST22842	Propisochlor M5
36	1ST22843	Propisochlor M6
37	1ST20472	Dinotefuran metabolite UF
38	1ST20473	Dinotefuran metabolite DN
39	1ST21247Cu	Prochloraz copper(II) complex
40	1ST2509K	Methyl 4-Hydroxybenzoate Potassium
41	1ST2510K	Potassium 4-Ethoxycarbonylphenolate
42	1ST2511K	Potassium Propyl 4-Hydroxybenzoate
43	1ST2512K	Potassium Butyl 4-Oxidobenzoate
44	1ST2512Na	Butylparaben Sodium Salt
45	1ST2513Na	Sodium Isobutyl 4-Oxidobenzoate
46	1ST2535Ca	Calcium Bis(4-Hydroxybenzoate)
47	1ST2535K	4-Hydroxy-Benzoic Acid Potassium Salt (1:1)
48	1ST5401	Sesamin
49	1ST5402	Sesamol
50	001-20073	D-Folic Acid
51	001-20074	6-Pterinyl Folic Acid
52	1ST10002	Liothyronine
53	1ST10003	L-Thyroxine
54	1ST10002Na	Liothyronine Sodium
55	1ST10004-Impl	Dexamethasone Sodium Phosphate Impurity I
56	H620061	WH-4-023
57	1ST000797	Cholesterol
58	1ST7293	Aflatoxin B2a
59	1ST7290	Aflatoxin G2a
60	1ST7298	Aflatoxin B1-8,9-diol
61	1ST21291	Ningnanmycin
62	1ST7203	Zearalanone

No.	CatNo	Product
63	1ST7805	Tilimicosin
64	1ST4045	Sulfapyrazole
65	1ST3425	2-Ethylhexyl-4-aminobenzoate
66	1ST1148	Phthalic acid, n-pentyl-isopentyl
67	001-20071	8-Hydroxyguanosine
68	001-20072	8-Hydroxy-2'-Deoxyguanosine
69	1ST4914	N-Nitrosopiperidine
70	0102-000097	Cyclic PBT Dimer
71	0102-000098	Cyclic PBT Trimer
72	1ST4601	1,1,1,3,10,11-Hexachloroundecane
73	1ST22147C3	Simazine-13C3
74	1ST22128C3	Prometryn-13C3
75	1ST22146C3	Simetryn-13C3
76	1ST22140C3	Terbutylazine-13C3
77	1ST22213C3	Terbutryn-13C3
78	1ST20013	4,4'-DDT 13C12
79	1ST20018C12	p,p'-DDD-13C12
80	1ST20005C12	p,p'-DDE-13C12
81	1ST22096	Atrazine 13C3 (ring 13C3)
82	1ST000813C12	Phenolphthalein-13C12
83	1ST6610C3	Cyanuric Chloride-13C3
84	1ST6606	Cyanuric Acid-13C3
85	1ST301889	Octanoic Acid ( 1-13C,99%)
86	1ST10270D8	Ethambutol-D8
87	1ST10445D3	Rac-Sapropterin-D3
88	1ST10447D3	Rac-Hesperetin-D3
89	1ST10448D4	Rac-Anagrelide-D4
90	1ST10449D4	Everoliums-D4
91	1ST10450D4	Clopidogrel Carboxylic Acid-D4
92	1ST10451D4	6β-Oxymorphol-D4
93	1ST10452D3	6-hydroxy Oxymorphone-D3
94	1ST000319CN	Flucytosine-13C, 15N2
95	1ST10455D3	Acetazolamide-D3
96	1ST10430C	Methacetin-13C
97	1ST10050C2	4-(DiMethyl-13C2-aMino)antipyrine
98	1ST10236D6	Simvastatin-D6
99	1ST10432D3	Simvastatin-D3 Lactone
100	1ST10296D6	Citalopram-D6
101	1ST10433D6	Silodosin-D6
102	1ST12019CD3	Cefditoren Pivoxil-13C, D3
103	1ST12013	Cefixime 13C, 15N2
104	1ST10007D5	Cefaclor-D5
105	1ST10006D3	Cefuroxime-D3
106	1ST7153D3	Ketoprofen-D3
107	1ST10435D3	Tamsulosin-D3
108	1ST10436D3	Oxymorphone-D3
109	1ST4122D6	Doxycycline-D6
110	1ST10282AD5	Norfluoxetine-D5 HCl
111	1ST10437D8	Lopinavir-D8
112	1ST10438D7	Lubiprostone-D7
113	1ST10439D6	Rilpivirine-D6
114	1ST10267C3	Lamotrigine -13C3
115	1ST10440D5	Goserelin-D5
116	1ST10441D20	Disulfiram-D20
117	1ST10442CN	Entecavir-13C2,15N
118	1ST10443D3	Diosmin-D3
119	1ST10444D6	Atazanavir-D6
120	1ST10418D5	Atorvastatin-D5 Calcium Salt
121	1ST5601D6	Amoxicillin-D6
122	1ST10446D3	Rac-Rotigotine-D3
123	1ST10453D5	4-Hydroxy Atorvastatin-D5 Calcium Salt