

安定同位体標識植物について

植物は世界で最も自然界の化学物質を幅広く製造しています。IsoLife 社は ^{13}C , ^{15}N 安定同位体標識植物と植物由来の安定同位体化合物を製造し、世界に供給しています。

製品には以下のものがあります。

標準植物製品

- ★ 植物体製品
- ★ 植物由来化合物
 - ・ トレーサー
 - ・ 内部標準

特注植物製品

Single-labelled [>97 atom% ^{13}C]		
cat#	品名	部位
	U-^{13}C Arabidopsis	
U-60901	<i>Arabidopsis thaliana</i>	leaf/stem
U-60907		flower/fruit
U-60906		seed
U-60902		root
	U-^{13}C Basil	
U-60801	<i>Ocimum basilicum</i>	leaf/stem
U-60802		root
	U-^{13}C Broccoli	
U-61501	<i>Brassica oleracea</i> <i>var. botrytis 'Broccoli'</i>	leaf
U-61507		heads
U-61506		seed
U-61508		stem
U-61502		root

	U-13C Common evening primrose	
U-60701	<i>Oenothera biennis</i>	leaf/stem
U-60707		flower
U-60702		root
	U-13C Kangkong / water spinach	
U-61201	<i>Ipomea aquatica</i>	leaf/stem
U-61202		root
	U-13C Maize / U-13C Corn	
U-60501	<i>Zea mays</i>	leaf
U-60506		seed
U-60508		stem
U-60502		root
	U-13C Onion	
U-61101	<i>Allium sepa</i>	leaf
U-61115		bulb
U-61102		root
	U-13C Potato	
U-60001	<i>Solanum tuberosum</i>	leaf/stem
U-60007		flower
U-60005		tubers
U-60002		root
	U-13C Sage	
U-60601	<i>Salvia officinalis</i>	leaf/stem
U-60602		root
	U-13C Tomato	
U-60101	<i>Lycopersicon esculentum</i>	leaf/stem
U-60103		fruit - green
U-60104		fruit - ripe
U-60102		root

	U-13C Wheat	
U-60401	<i>Triticum aestivum</i>	leaf/stem
U-60406		seed
U-60402		root

Double-labelled [>97 atom% 13C; >98 atom% 15N]		
cat#	品名	部位
U-13C + U-15N Red Beet		
D-60201	<i>Beta vulgaris rubra</i>	leaf/s tem
D-60218		beet
D-60202		root
U-13C + U-15N Chicory		
D-60301	<i>Cichorium intybus</i>	leaf/s tem
D-60302		root (tap-)
U-13C + U-15N Potato		
D-60001	<i>Solanum tuberosum</i>	leaf/s tem
D-60007		flower
D-60005		tubers
D-60002		root
U-13C + U-15N Wheat		
D-60401	<i>Triticum aestivum</i>	leaf/s tem
D-60406		seed
D-60402		root

Phytochemical compounds

トレーサー

13C-Carbohydrates

U-10308	U-13C cellulose from chicory
U-10508	U-13C cellulose high DP from maize
N-10508	12C cellulose high DP from maize
U-10008	U-13C cellulose high DP from potato
N-10008	12C cellulose high DP from potato
U-11508	U13C cellulose from broccoli
N-11508	12C cellulose from broccoli
U-10009	U-13C hemicellulose from potato
U-10309	U-13C hemicellulose from chicory
U-10509	U-13C hemicellulose from maize
N-10509	12C hemicellulose from maize
U-11509	U-13C hemicellulose from broccoli
N-11509	12C hemicellulose from broccoli
U-10302	U-13C inulin from chicory
N-10302	12C inulin from chicory
U-10315	U-13C lignocellulose from chicory
U-10515	U-13C lignocellulose from maize
U-10015	U-13C lignocellulose from potato
U-10001	U-13C starch from potato
N-10001	12C starch from potato
U-10401	U-13C starch from wheat
U-10501	U-13C starch from maize
N-10501	12C starch from maize
U-10007	U-13C fiber from potato
	Other carbohydrates

13C-Aromatic compounds	
U-40307	U-13C lignin from chicory
U-40507	U-13C lignin from maize
U-40007	U-13C lignin from potato
U-41507	U-13C lignin from broccoli
N-41507	12C lignin from broccoli
13C-Proteins	
U-20001	U-13C patatin
U-20003	U-13C Rubisco
D-20001	U-13C + U-15N patatin
D-20003	U-13C + U-15N Rubisco
	Other proteins

内部標準物質	
13C-Lipids	
U-30702	U-13C phytosterol mix
U-30001	U-13C triglycerides
	Other lipids
13C-Flavonoids	
U-41102	U-13C kaempferol
U-41103	U-13C quercetin
	Other flavonoids
13C-Isoprenoids	
U-41001	U-13C beta-carotene
13C-Organic acids	
U-40004	U-13C quinic acid
U-40005	U-13C caffeic acid
U-40006	U-13C chlorogenic acid

その他	
植物中に存在するほとんどの化合物がカスタム受託製造によりお届けすることができます。	
13C-Carbohydrates	
	U-13C raffinose
	U-13C ribose
	U-13C stachyose
	U-13C verbascose
13C-Proteins	
	U-13C crude seed proteins
	U-13C globulin
	U-13C trypsin-inhibitor
13C-Lipids	
<i>Steroids</i>	U-13C campesterol
	U-13C β -sitosterol
13C-Alkaloids	
	U-13C α -chaconine
	U-13C α -solanine
13C-Vitamins	
	U-13C vitamin A
	U-13C ascorbic acid (vitamin C)
	U-13C riboflavine (vitamin B2)
	U-13C vitamin E
13C-Organic acids	
	U-13C phytic

※ご要望により、植物中に存在するほとんどの化合物を製造し、お届けします。