

TABLE 1

Partial list of biomedical research products that have been dropped due to radioactive waste disposal problems. Compiled by CORAR Aug-Sept 2009

Stearic acid [^{14}C]-
Oleic acid [^{14}C]-
Arachidonyl CoA [^{14}C]-
Myristic acid [^{14}C]-
Deoxycoeritosterone [^{14}C]-
Aspartic acid [^{14}C]-
Histidine [^{14}C]-
Isoleucine [^{14}C]-
Threonine [^{14}C]-
Tyrosine [^{14}C]-
Valine [^{14}C]-
Eicosatrienoic acid [^{14}C]-
Aminopyrene [^{14}C]-
L-amino acid mixture [$^{14}\text{C}(\text{U})$]-
Eicosapentaenoic acid, 5,8,11,14,17-[1- ^{14}C]-
Docosahexaenoic acid, 4,7,10,13,16,19-[1- ^{14}C]- (Clupanodonic acid)
[8- ^{14}C adenosine]FSBA
Cytidine-5'-monophosphate, sialic acid [sialic-4,5,6,7,8,9- ^{14}C]-
Carbon tetrachloride, [^{14}C]-
Cholesterol, [26- ^{14}C]-
Iodoacetamide, [1- ^{14}C]-
Dihydroxyphenylalanine, DL-3,4-[alanine-1- ^{14}C]- (L-DOPA)
Dimethyloxazolidine-2,4-dione, 5,5-[2- ^{14}C]-
Trimethylamine hydrochloride, [^{14}C]-
Chloroform, [^{14}C]-
Diisopropylfluorophosphate, [1,3- ^{14}C]-
Choline chloride, [1,2- ^{14}C]-
Linoleic acid, [$^{14}\text{C}(\text{U})$]-
Nicotine, [pyrrolidine-2- ^{14}C]-
Phosphatidylcholine, L-a-1-octanoyl-2-heptanoyl, [heptanoyl-1- ^{14}C]-
Cholesterol, [7- $^3\text{H}(\text{N})$]-

Thymine, [methyl-³H]-
Dimethyl sulfate, [methyl-³H]-
Dihydroxyphenylethylamine, 3,4-[8-³H(N)]- (Dopamine)
Sorbitol, D-[1-³H(N)]-
Thymine hydrochloride, (ring-³H)- (Hydroxyphenylethylamine)
Orotic acid, [5-³H]-
Uracil, [6-³H]-
Histamine, [³H(G)]-
Uridine, [6-³H]-
Testosterone, [7-³H(N)]-
Hydroxypregn-4-en-3-one, 20 α -[1,2-³H(N)]- (20 α -Hydroxyprogesterone)
Digoxin, [12 α -³H(N)]-
Retinol, [15-³H(N)]- (Vitamin A alcohol)
Dinitrofluorobenzene, 2,4-[3,5-³H(N)]-
Alanine, β -[3-³H(N)]-
Methyl-N-nitrosourea, N-[methyl-³H]-
Hydroxyacetanilide, p-[³H(G)]- (Acetaminophen or Paracetamol)
Prostaglandin B₁, [5,6-³H(N)]-
Diphenylhydantoin, 5, 5-[phenyl-4-³H(N)]- (Phenytoin)
Cytochalasin B, [4-³H]-
Aminoisobutyric acid, α -[methyl-³H]-
Dehydroepiandrosterone, [1,2-³H(N)]-
Methyl-17 α -hydroxyprogesterone acetate, 6 α -[1,2-³H(N)]-
Ornithine, L-[2,3-³H]-
Phenylalanine, L-(ring-2,6-³H(N)]-
Dihydro- α -ergocryptine, 9,10-[9,10-³H(N)]-
Enkephalin (5-L-leucine), [tyrosyl-3,5-³H(N)]-
Benzo(a)pyrene, [1,3,6-³H]-
Phorbo-12-myristate-13-acetate, [20-³H(N)]-
Chlorpromazine hydrochloride, [benzene ring-³H]-
Phencyclidine, [piperidyl-3,4-³H(N)]-
Ethylketocyclazocine, (+/-)-[9-³H]- (Ethylketazocine)
Aminoclonidine, p-[3,5-³H]-(2-((2,6-Dichloro-4-amino) phenylimino)-imidazole)
Dioxolane, L (+)-cis, [2-methyl-³H]-
Tryptamine hydrochloride, [ethyl-³H]-

Propylbenzylcholine Mustard HCl, [propyl-2,3-³H]- (PBCM)
Tetraphenylphosphoniumbromide, [phenyl-³H]-
Imipramine hydrochloride, [N-methyl-³H]-
Progesterone, [1,2,6,7,21-³H(N)]-
Methotrexate, [L-glutamyl-3,4-³H]- (Amethopterin)
Substance P, [2-prolyl-3,4-³H(N)]-
Leukotriene B₄, [14,15-³H(N)]-
Fluorodeoxyuridine, 5-[6-³H]-
Bicuculline methylchloride, (-)-[methyl-³H]-
Enkephalin (2-D-serine-5-leucine-6-threonine), [tyrosyl-3,5-³H(N)]-
Ethylketocyclazocine, (-)-[9-³H(N)]- (Ethyletazocine)
Phosphatidylinositol 4-phosphate, [inositol-2-³H(N)]- (PIP)
Atropine, [N-methyl-³H]-
Hydroxy-5,8,10-heptadecatrienoic acid, 12-L-[5,6,8,9,11,12-³H(N)]- (HHT)
Enkephalin, (2,5-D-Penicillamine, 4-p-Cl-phenylalanine), [tyrosyl-3,5-³H]-
U-46619, [15-³H(N)]- (11,9-Epoxymethano PGH₂)
Vasopressin V-1 Antagonist, [phenylalanyl-3,4,5-³H]- d (CH₂)₅ TyrMe-[³H]- AVP
Zolpidem, [phenyl-2,6-³H(N)]-
Telenzepine, [methyl-³H]-
CGS 19755, [piperidiny-³H]-
S-(-)-BAY K 8644, [5-methyl-³H]-
CGP 26505, [5-phenoxy-³H]-
CGS 21680, [carboxyethyl-³H(N)]-
Epoxy-5,8,11-Eicosatrienoic acid, 14,15-[5,6,8,9,11,12,14,15-³H(N)]- (14,15-EET)
Dextromethorphan, [N-methyl-³H]
S-(N-methyl-N-isobutyl) amiloride, [isobutyl-³H]-, ([³H] MIA)
Hydroxy-5,8,10,14-eicosatetraenoic acid, 12-(R)-[14,15-³H(N)]- (12(R)-HETE)
Fluorosulfonylbenzoyladenine, 5'-p-[adenosine-2,8,5'-³H]-
Cholecystokinin octapeptide (3,6-MeNle), [tyrosyl-3,5-³H(N)]- (CCK-8 (3,6-MeNle))
BTCP, [piperidyl-3,4-³H]-
LY 186126, [N-methyl-³H]-
Lauric acid, [11,12-³H]-
Hydroxy-9,11 Octadecadienoic acid, 13-S-[12,13-³H]-
Tetradecenoic acid, 5-Z-[5,6-³H]-
Hydroxy-5,8,11,13-Eicosatetraenoic Acid (³H)

Hydroxy-5,8,10,14-Eicosatetraenoic Acid (³H)
Cholesterol Linoleate (³H)
Fluorouracil, 5-[6-³H]-
Retinoic acid, [20-methyl-³H]-
9-CIS-Retinoic acid, [20-methyl-³H]-
Ethinylestradiol, 17-alpha-[6,7-³H(N)]-
6-Keto-PGF1a, [multi-³H]-
Retinol, all rans [20 methyl-³H]-
Triamcinolone (³H)
Myristic acid, [9,10-³H (N)]-, (Tetradecanoic acid)
Squalene, [4,8,12,13,17,21-³H]-
N-Hexanoylsphingosine, [Sphingosine-3-³H]-
Docosaehaenoic acid, 4,5,10,13,16,19 [4,5-³H]-

Some CORAR member companies reported dropping products due to waste disposal problems, but could no longer accurately identify which products had been dropped due to waste disposal versus business reasons. Those products are not reported here.

Products in red were dropped primarily to avoid generating mixed waste in the manufacturing process.

Products in black were deleted primarily to avoid the high cost of LLRW disposal

