>>**Entry Name: Benzyloxycarbonylmethionine**
Synonym(s): *N*-[(Phenylmethoxy)carbonyl]methionine, 9CI. *N*-Carboxymethionine *N*-benzyl ester, 8CI. Z-MetOH

$PhCH_2OOCNHCH(COOH)CH_2CH_2SMe$

Molecular Formula: $C_{13}H_{17}NO_4S$
Molecular Weight: 283.348
Accurate Mass: 283.087829
Percentage Composition: C 55.11%; H 6.05%; N 4.94%; O 22.59%; S 11.32%

>>**Variant:** L-form

CAS Registry Number: 1152-62-1
Molecular Formula: $C_{13}H_{17}NO_4S$
Molecular Weight: 283.348
Accurate Mass: 283.087829
Percentage Composition: C 55.11%; H 6.05%; N 4.94%; O 22.59%; S 11.32%
Melting Point: Mp 68-69°
Optical Rotation: $[\alpha]_D$ –31.6 (c, 1 in MeOH)
Aldrich: 45924-0
Fluka: 96910
Sigma: C3752

>>**Derivative:** 4-Methylpyridyl ester
Synonym(s): 4-Picolyl ester. Z-MetOPic

Physical Description: Oil
Optical Rotation: $[\alpha]_D$ –27 (c, 5.7 in EtOH)

>>**Derivative:** Pentachlorophenyl
Synonym(s): Z-MetOPcp

CAS Registry Number: 4841-70-7
Melting Point: Mp 132-133°
Optical Rotation: $[\alpha]_D$ –1.4 (c, 0.55 in $CHCl_3$)

>>**Derivative:** Succinimido ester
Synonym(s): Z-MetOSu

CAS Registry Number: 3392-01-6
Melting Point: Mp 101-102°
Optical Rotation: $[\alpha]_D^{25}$ –15.9 (c, 2 in dioxan)

>>**Derivative:** 2,4,5-Trichlorophenyl ester
Synonym(s): Z-MetOTcp

CAS Registry Number: 38763-82-5
Melting Point: Mp 112.5-13.5°
Optical Rotation: $[\alpha]_D$ –31.4 (c, 1.02 in DMF)

References:

Brenner, M. *et al.*, *Helv. Chim. Acta*, 1951, **34**, 2085, *(synth)*
Anderson, G.W. *et al.*, *J.A.C.S.*, 1960, **82**, 3359, *(picolyl)*
Costopanagiotis, A.A. *et al.*, *J.O.C.*, 1961, **31**, 3398, *(trichlorophenyl)*
Anderson, G.W. *et al.*, *J.A.C.S.*, 1964, **86**, 1839, *(succinimido)*
Kovacs, J. *et al.*, *J.O.C.*, 1967, **32**, 3696, *(pentachlorophenyl)*