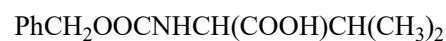




**>>Entry Name: Benzyloxycarbonylvaline**

**Synonym(s):** *N*-[(Phenylmethoxy)carbonyl]valine, 9Cl. *N*-Carboxyvaline *N*-benzyl ester, 8Cl. Z-ValOH



**Molecular Formula:** C<sub>13</sub>H<sub>17</sub>NO<sub>4</sub>

**Molecular Weight:** 251.282

**Accurate Mass:** 251.115759

**Percentage Composition:** C 62.14%; H 6.82%; N 5.57%; O 25.47%

**>>Variant:** L-form

**CAS Registry Number:** 1149-26-4

**Molecular Formula:** C<sub>13</sub>H<sub>17</sub>NO<sub>4</sub>

**Molecular Weight:** 251.282

**Accurate Mass:** 251.115759

**Percentage Composition:** C 62.14%; H 6.82%; N 5.57%; O 25.47%

**Melting Point:** Mp 59-62°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +1.5 (c, 5 in EtOH)

**Aldrich:** 29352-0

**Fluka:** 97330

**Sigma:** C6252

**>>Derivative:** 2-*tert*-Butyloxycarbonylhydrazide

**Synonym(s):** Z-ValNHNHBOC

**Melting Point:** Mp 145°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -45.45 (c, 2 in MeOH)

**>>Derivative:** 4-Methylpyridyl ester

**Synonym(s):** Z-ValOPic

**CAS Registry Number:** 21844-69-9

**Melting Point:** Mp 65-66°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -12.1 (c, 1 in DMF)

**>>Derivative:** 4-Nitrophenyl ester

**Synonym(s):** Z-ValONp

**CAS Registry Number:** 10512-93-3

**Melting Point:** Mp 62-64°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -25 (c, 2 in DMF)

**Sigma:** C6377

**>>Derivative:** Pentachlorophenyl ester

**Synonym(s):** Z-ValOPcp

**CAS Registry Number:** 4824-13-9

**Melting Point:** Mp 144-145°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -21 (c, 2 in dioxan)

**>>Derivative:** Succinimido ester

**Synonym(s):** Z-ValOSu

**CAS Registry Number:** 3496-11-5

**Melting Point:** Mp 116-117°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -25.1 (c, 2 in dioxan)

**>>Derivative:** 2,4,5-Trichlorophenyl ester

**Synonym(s):** Z-ValOTcp

**CAS Registry Number:** 3065-23-4

**Melting Point:** Mp 94°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -8 (c, 1 in DMF)

**References:**