



**Synonym(s):** Sodium diprotrizoate, BAN, INN. Miokon-Sodium

**CAS Registry Number:** 129-57-7

**Development Status:** No longer marketed

>>**Derivative:** *N*-Me, *N,N'*-di-Ac

**Synonym(s):** 3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoic acid, 9Cl. **Metrizoic acid**. TO 096

**CAS Registry Number:** 1949-45-7

**Molecular Formula:** C<sub>12</sub>H<sub>11</sub>I<sub>3</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular Weight:** 627.943

**Accurate Mass:** 627.785302

**Percentage Composition:** C 22.95%; H 1.77%; I 60.63%; N 4.46%; O 10.19%

**Melting Point:** Mp 281-282°

>>**Derivative:** *N*-Me, *N,N'*-di-Ac, Na salt

**Synonym(s):** Sodium metrizoate, BAN, INN. Metrizoate sodium, USAN. Isopaque. Triosil. NSC 107431

**CAS Registry Number:** 7225-61-8

**Use/Importance:** Radiopaque substance

**Sigma:** M4762

>>**Derivative:** *N*-Ac, *N'*-(hydroxyacetyl)

**Synonym(s):** 3-(Acetylamino)-5-[(hydroxyacetyl)amino]-2,4,6-triiodobenzoic acid, 9Cl. 3-Acetamido-5-glycolamido-2,4,6-triiodobenzoic acid, 8Cl. **Ioxotrizoic acid**, INN, USAN. SHH 248AB

**CAS Registry Number:** 19863-06-0

**Molecular Formula:** C<sub>11</sub>H<sub>9</sub>I<sub>3</sub>N<sub>2</sub>O<sub>5</sub>

**Molecular Weight:** 629.916

**Accurate Mass:** 629.764567

**Percentage Composition:** C 20.97%; H 1.44%; I 60.44%; N 4.45%; O 12.70%

**Use/Importance:** Diagnostic aid, radiopaque medium

**Development Status:** Never marketed

**Melting Point:** Mp 249-251.5 dec.°

>>**Derivative:** *N*-Ac, *N'*-(2-hydroxypropanoyl)

**Synonym(s):** 5-Acetamido-*N*-[[[(2-hydroxyethyl)amino]carbonyl]-2,4,6-triiodobenzoic acid, 9Cl. 5-Acetamido-*N*-(2-hydroxyethyl)-2,4,6-triiodoisophthalamide acid, 8Cl. **Ioxitalamide acid**, INN. Agelix. Telebrix. Vasobrix. AG 5895. AG 58107

**CAS Registry Number:** 28179-44-4

**Molecular Formula:** C<sub>12</sub>H<sub>11</sub>I<sub>3</sub>N<sub>2</sub>O<sub>5</sub>

**Molecular Weight:** 643.943

**Accurate Mass:** 643.780217

**Percentage Composition:** C 22.38%; H 1.72%; I 59.12%; N 4.35%; O 12.42%

**Use/Importance:** Diagnostic aid, radiopaque medium

**Melting Point:** Mp 349°

#### References:

- Larsen, A.A. *et al.*, *J.A.C.S.*, 1956, **78**, 3210, (*synth*)  
*U.K. Pat.*, 1958, 791 997; *CA*, **53**, 2163b, (*synth*)  
*Ger. Pat.*, 1962, 1 129 260; *CA*, **58**, 4474c, (*synth, deriv, pharmacol*)  
Cassebaum, H. *et al.*, *Pharmazie*, 1966, **21**, 167, (*synth, pharmacol*)  
*Ger. Pat.*, 1968, 1 260 477; *CA*, **69**, 35756c, (*Ioxotrizoic acid*)  
*Fr. Pat.*, 1969, M6777; *CA*, **74**, 125223j, (*Ioxitalamide acid*)  
*Ger. Pat.*, 1972, 2 118 219; *CA*, **78**, 20204h, (*Ioxotrizoic acid*)  
Lerner, H.H., *Anal. Profiles Drug Subst.*, 1975, **4**, 137  
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 1824, (*synonyms*)  
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T}onessen, L.E. *et al.*, *Acta Chem. Scand.*, 1996, **50**, 603-608, (*cryst struct, sodium triazoate*)  
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, AOO875; DCK000; MQR350; SEN500